

SOUTHERN TEXTILE BULLETIN

VOL. XX.

CHARLOTTE, N. C., THURSDAY, OCTOBER 14, 1920

NUMBER 7.

Announcing G. G. Slaughter Machinery Company, Greenville, S. C.
as our Southern Representative

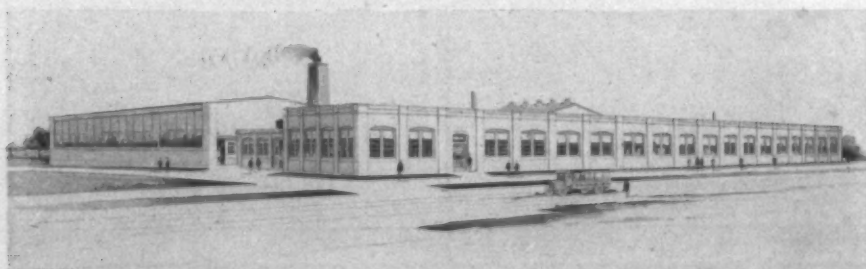
Meet us at Greenville Exposition, Spaces No. 333-334, Main Aisle, Second Floor

Elliott A. Allen

— Elwin H. Rooney —

G. G. Slaughter

A SPINDLE PLANT FOR EIGHT YEARS



ALLEN Ball Bearing Twister **SPINDLES**

Thoroughly Reliable Spindles are Appreciated by the Leading
Mills and Machinery Manufacturers

ALLEN SPINDLE CORPORATION

80 Boylston Street
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No more convincing evidence of
TALLOFATS superiority could be
desired than the fact that so many
mills of prominence have chosen
TALLOFATS as the sizing which
gives them the best results.



Charles R. Allen

Manufacturer
Distributor

Charleston, S. C.



G. G. SLAUGHTER MACHINERY COMPANY

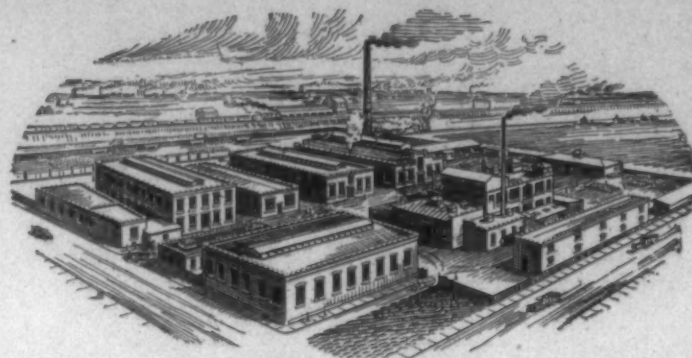
TEXTILE MACHINERY

AND

POWER PLANT EQUIPMENT

GREENVILLE

SOUTH CAROLINA



WORKS: NEWARK, N. J.

Since 1876 we have been engaged in serving the needs of dyestuff users.

Our Service Laboratories are ready at all times to match samples for you.

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BASIC
DEVELOPED COLORS**

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Cotton Twine Mill— For Sale!

3500 spindle Twine Mill. consisting of 12 acres land, 8 tenant houses, two-story brick building, two warehouses, engine and boiler rooms, dye plant. Mill now in operation. Write or wire for detail specifications. Being offered at an attractive price to close up an estate.

The Jones Machinery Corporation
Atlanta Ga.

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Brighter Softer Cleaner H O S I E R Y

You can now use the modern softening method and secure that even **dye penetration** which alone produces the deep brilliant black, and the delicate, lighter shades which are demanded by the market today.

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SULPHO TEXTOL OIL

represents pure Oriental Castor sulphonated by the Sonneborn laboratory process.

We guarantee it to be more efficient than ordinary hosiery softeners.

It is indispensable in the rinsing bath and makes boarding easy.

Send for the list of users in your territory and for trial barrel.

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Visit The Hyatt Booth at The S

HYATT EQUIPPED TEXTILE MACHINERY

The Hyatt Roller Bearing Company extends a hearty invitation to all members of the textile industry to visit the Hyatt booth at the Southern Textile Exposition, Greenville, S. C., October 18-23, 1920.

Every textile mill owner who is interested in securing increased production at decreased costs will find it well worth his while to investigate the many advantages of Hyatt Roller Bearings for all classes of textile machinery.

Visit the Hyatt booth and talk with our engineers. Ask them to show you the Hyatt equipped loom in operation—you'll learn why looms equipped with Hyatt Roller Bearings increased production 27%.

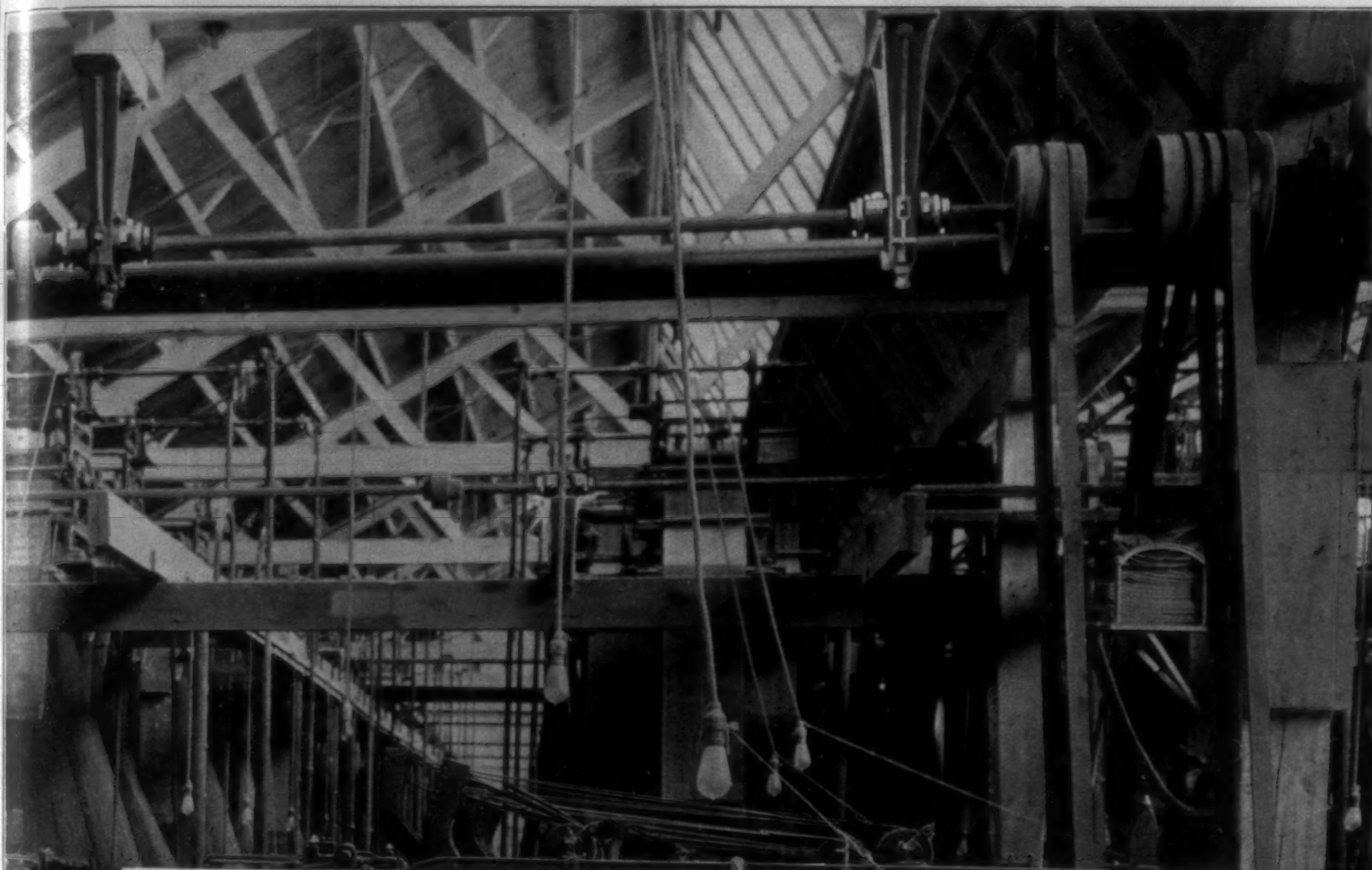
Hyatt equipped boxes for cards, spinning frames, looms and pickers will be on display. Ask the engineers to explain them to you. You'll find out why Hyatt Roller Bearings save power and lubrication costs, increase production, prevent oil spatter and are permanent bearings.

The big exhibition model of the Hyatt Roller Bearing will interest you, as will a number of other features.

Don't forget to visit the Hyatt booth. You and your friends are welcome.



Southern Textile Exposition



HYATT ROLLER BEARING HANGERS

While you're at the Hyatt booth learning about Hyatt equipped textile machinery, look into the subject of Hyatt Roller Bearings Hangers for line shafting.

Many southern mill engineers have solved their transmission problems by specifying Hyatt Roller Bearing Hangers—you can do the same.

These durable line shaft bearings installed 29 years ago in some mills are still running easily day after day—saving power and lubricant.

Hyatt Roller Bearings save at least 15% of the total power. Every horse-power saved by Hyatt Roller Bearing Hangers is capable of producing yearly textiles worth \$500.

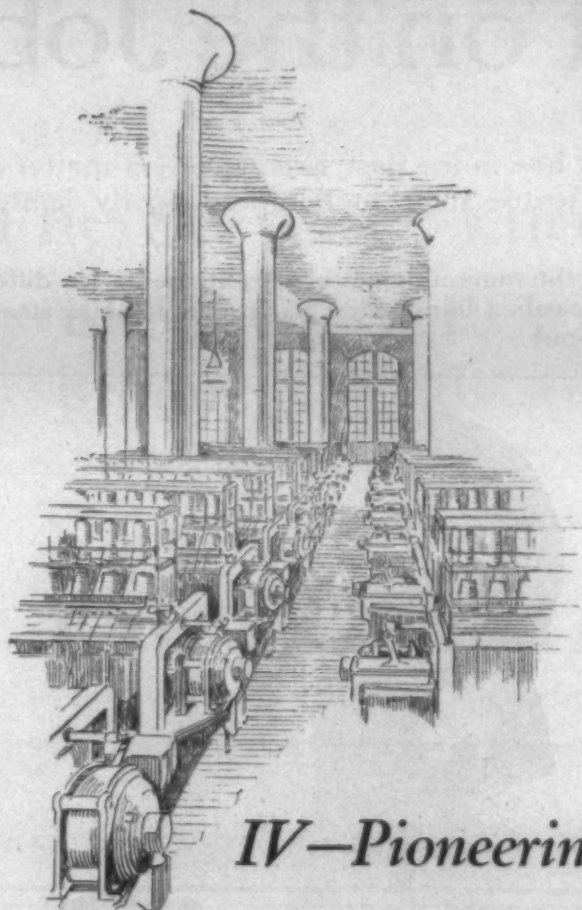
You should find out more about these capable bearings. Ask our engineers what they'll do for you. Don't forget to drop in to see us at the Hyatt booth during the Southern Textile Exposition, Greenville, S. C., October 18-23, 1920.

HYATT ROLLER BEARING COMPANY, NEW YORK, N. Y.

E-107

PASSAIC, N. J.

THE FUNCTIONS OF THE ENGINEER



IV—Pioneering for Future Production

If you were to build your old plant again, would you follow the same design?

Yet you see here and there a plant whose layout and construction, even after ten, fifteen, twenty-five years, show little need of a change.

Back of every such plant was the plan of a farsighted Engineer who anticipated the demands of a later generation and, like the hardy, cool pioneer, set his judgment to the task of preparing for new conditions. He balanced his plan so that by a succession of additions or modifications progress could be maintained without incurring unnecessary expenditures.

The Engineer is trained to forecast the contingencies of service and development and to select their obvious solution.

If you are planning a new factory, an addition or alterations to your existing plant, one or more of the booklets described below will interest you. Indicate your choice and we will gladly forward them.

J. E. SIRRINE and COMPANY
Engineers

GREENVILLE
SOUTH CAROLINA

331 Madison Avenue
NEW YORK CITY



"FACTORIES FOR THE
FUTURE."

"CONTENTMENT UNDER
ROOF"—industrial housing de-
velopment.

"PICKS TO THE MINUTE"—
about textile plants.

"RIVERS IN HARNESS"—
hydro-electric development.

Measure Light on the Job

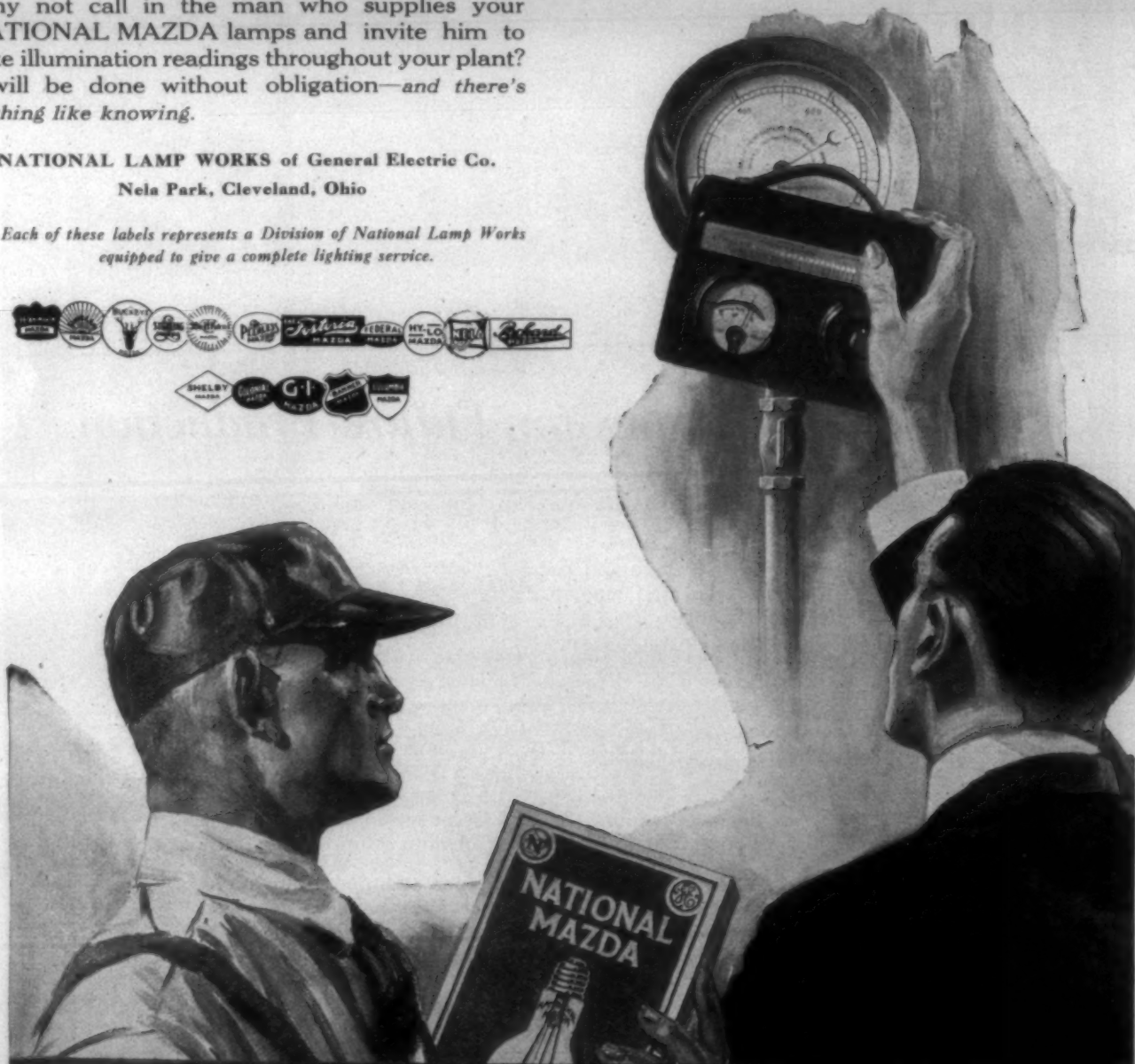
The subject of correct lighting in the textile industry has, in the past, been largely a matter of guess-work. As a result, investigation shows most textile mills to be more poorly lighted than their owners think.

Now, at last, accurate tables have been worked out giving the minimum lighting requirements for different operations; and a meter has been developed which measures illumination just as simply as the steam guage registers pressure or a thermometer shows temperature.

Why not call in the man who supplies your NATIONAL MAZDA lamps and invite him to take illumination readings throughout your plant? It will be done without obligation—and there's nothing like knowing.

NATIONAL LAMP WORKS of General Electric Co.
Nela Park, Cleveland, Ohio

*Each of these labels represents a Division of National Lamp Works
equipped to give a complete lighting service.*



NATIONAL MAZDA LAMPS



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“Quality” as “High Rank”

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BEST QUALITY starches for Textile work
produce goods of HIGHEST RANK.

GOLD MEDAL BRAND

Refined Corn Starch

means { Best Quality
Highest Rank

ALL MODIFIED STARCHES for SIZING and FINISHING

POTATO STARCH A SPECIALTY

STEIN, HALL & CO., Inc.

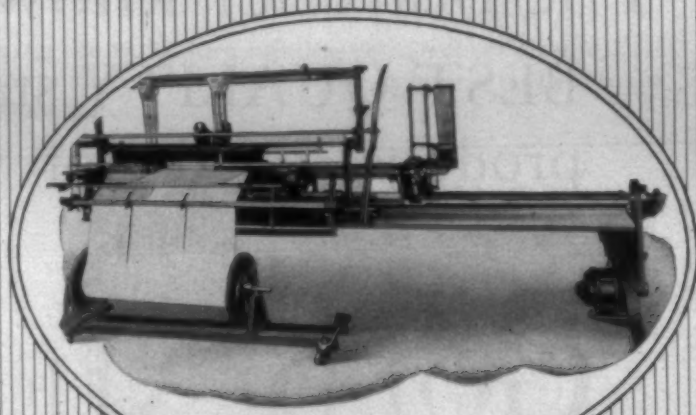
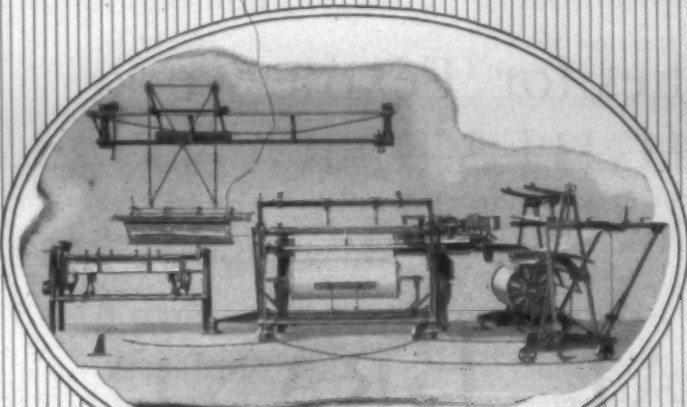
61 Broadway, NEW YORK

Southern Representative
WALTON L. BLACK
P. O. Box 928
GREENVILLE, S. C.
Telephone 3076

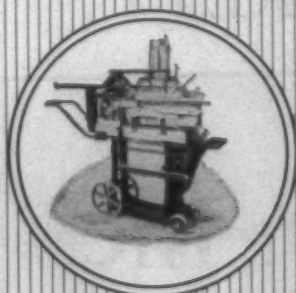
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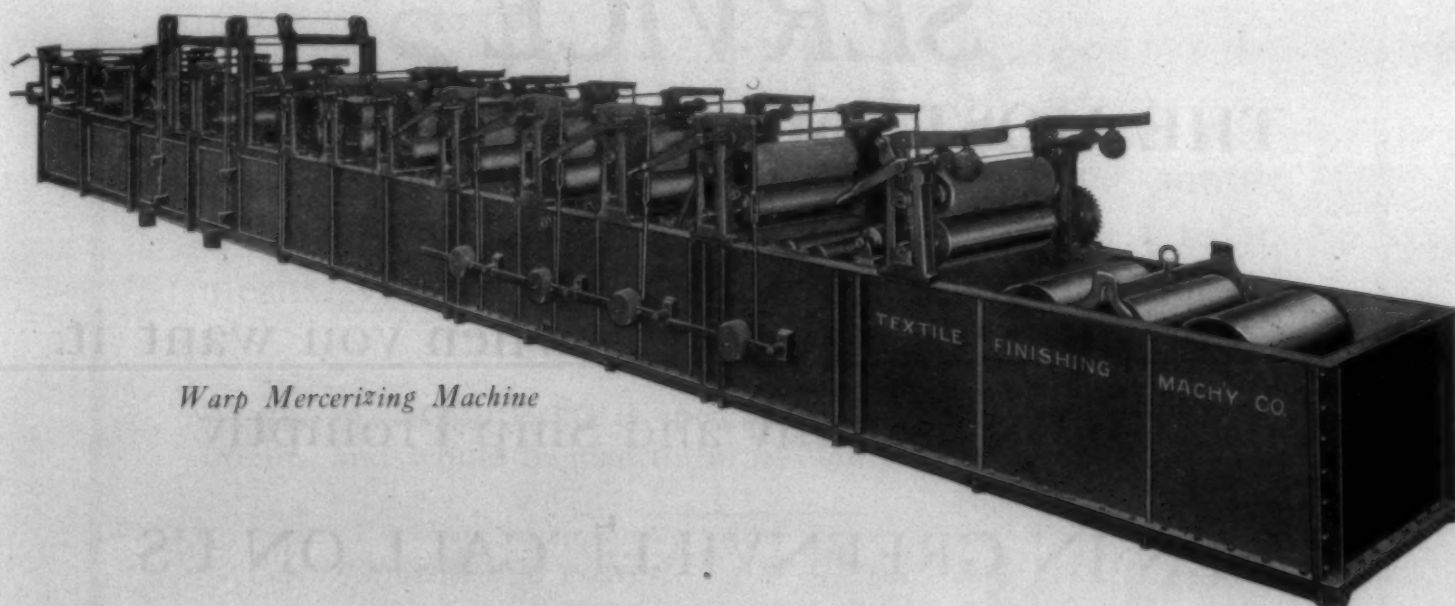
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ELECTRICAL SUPPLIES

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Speeders, Skewers, Warp Bobbins, Filling Bobbins
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clearer Rolls.
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Our "STETSON" patented hand threading shuttle
is the best on the market. Repeat orders attest to its
merits. Will be pleased to furnish samples upon request.

We also make shuttles for Draper, Stafford and Crompton & Knowles
Looms, and would be glad to furnish samples upon request.

*Correspondence solicited on all matters relating to
Bobbins for Textile Mills.*



"The Steady Pull Perfects the Product"

CLEAN · RUNS COOL · OIL BATHS NOT REQUIRED

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SILENT CHAIN DRIVES

Without Slip, the Time Keepers of Production Bring out the Profits that are Concealed by the Slipping Belt.

The MORSE Rocker Joint bears the burden and patented Guide Links hold alignment. Flexible as a belt. Positive as gears. More efficient (98.6%) than either.

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"Morse" is the Guarantee Always Behind the Efficiency, Durability and Service

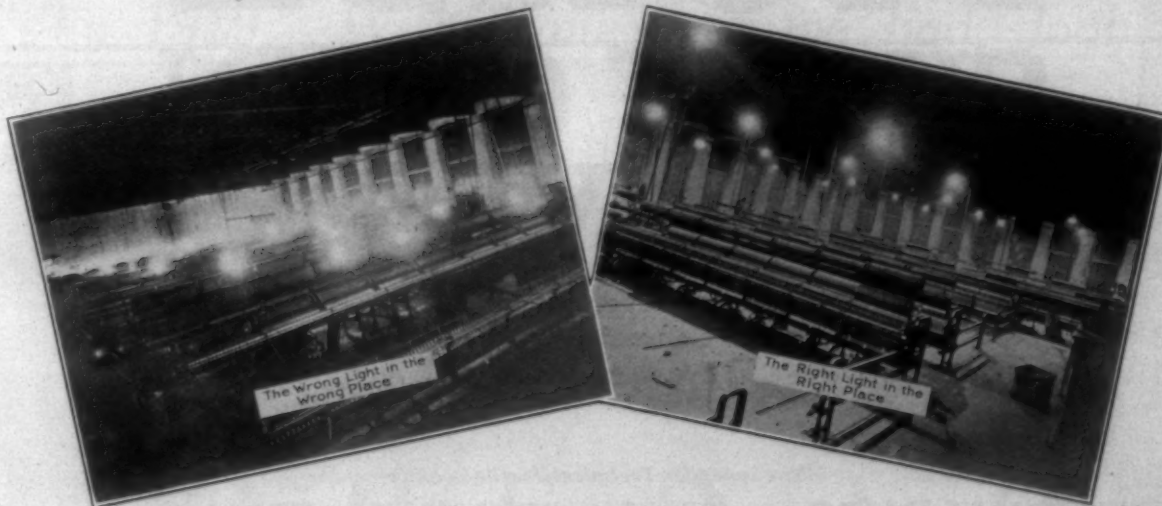
GENTLEMEN!

Have you heard of the

Athens Woolen Mills, Athens, Tenn.
 Brookside Cotton Mills, Knoxville, Tenn.
 Buck Creek Cotton Mills, Siluria, Ala.
 Cleveland Woolen Mills, Cleveland, Tenn.
 Chinnabee Valley Mills, Talladega, Ala.
 Continental Gin Co., Atlanta and Birmingham
 Delgado Cotton Mills, Wilmington, N. C.
 Holston Mfg. Co., Cleveland, Tenn.
 Gulf States Steel Co., Alabama City, Ala.
 Joubert & Goulin Mch. & Fdy. Co., Birmingham, Ala.
 Loray Mills, Gastonia, N. C.
 Maginnis Cotton Mills, New Orleans, La.
 Payne Mill, Bibb Mfg. Co., Macon, Ga.
 Pinkney Mills, Inc., Gastonia, N. C.
 Park Woolen Mills, Rossville, Ga.
 Richmond Hosiery Mills, Chattanooga, Tenn.
 Sweetwater Plant, Louisville Woolen Mills, Chattanooga, Tenn.
 Whitney Manufacturing Co., Spartanburg, S. C.
 Woodward Iron Works, Birmingham, Ala.

The Illumination Plans for all of the above were designed by Westinghouse engineers.

They are the kind of authorities who will take a mill



looking like this

and make it look like this

Meet these lighting experts at the Southern Textile Exposition, Space 352 to 355, October 18 to 23. They will be glad to discuss your lighting problems.

WESTINGHOUSE LAMP COMPANY

165 BROADWAY, NEW YORK CITY

Sales Offices And Warehouses Throughout The Country

FOR CANADA—CANADIAN WESTINGHOUSE CO., LIMITED, HAMILTON, ONT.

We'll Be In Booths 35 and 36

(FIRST FLOOR)

If you are going to the Textile Show at Greenville you will be sure to bump up against Select-O-Phone service. The management has accepted our offer to install the following stations free:

Mr. F. M. Burnett, Manager
Miss W. H. Perry, Secretary
Receiving Clerk
Housing Department
Decorator
Rear for Janitor

In addition the following exhibitors have accepted our courtesy for Select-O-Phone connection:

Textile World Journal
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Judson Mills
Southern Textile Bulletin
Huntington & Guerry
U. S. Gutta Percha Paint Co.
Lockwood, Greene & Co.
Cotton
Manufacturers Record
National Ring Traveler Co.
Crompton & Knowles Loom Works
Morse Chain Company
Draper Corporation
Textile Industrial Institute
Terrell Machine Company
Walton Advertising Agency
Grayton & Knight Mfg. Co.
The Walraven Company

Try it out for it is real fun to see how quickly a connection can be made automatically.

The exhibit will be in charge of Mr. Harry Maxwell Mays, Treasurer of the corporation, and Mr. H. P. Dixon an experienced telephone sales engineer. There will also be on duty our expert inspector, Mr. Hayden, who will be glad to answer any questions as to installation and maintenance from both customers and prospects.

The Screw Machine Products Corp.

PROVIDENCE, R. I.

Ladew
SINCE 1835

Some people are belt buyers—others simply let themselves be sold. Those in the first group are men of vision, looking beyond a quoted price to the service that price pays for. They are usually well satisfied with belt transmission—because they bought not belting merely, but power transmission efficiency. In the second group are those who never look beyond price—they grasp nothing but first cost. They are usually chronically dissatisfied—habitual critics of belt transmission. Buyers of Ladew Leather Belting know what they want, are willing to pay for it, and get what they pay for—maximum belting service.

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AP-53

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FACTORIES AT
New Brunswick and Newark, N. J.

—and now comes the opportunity to See the Minter System at work!

At the Fourth Southern Textile Exposition to be held at Greenville, S. C., October 18 to 23, we will erect a Home by the Minter System of Fabrication.

The Minter System of Fabricating Homes is a new construction principle which we have developed and perfected from our experience in manufacturing and erecting more than 25,000 homes by every known method.

It is the principle of reducing homes to certain well defined units and the fabrication of these units in our factories. It is of these fabricated parts that the homes are built rather than of separate pieces of lumber which have to be built up on the job.

We feel very sure that when you see a home constructed by this System you will understand just why we say "**stronger construction—in one-fourth the usual time—and at a fraction of the usual cost.**"

Visit our exhibit. We shall be glad to meet you and you will find such a visit to be educational—if nothing more.

MINTER System of Fabricating HOMES

A new construction principle which saves three-fourths the time of building.





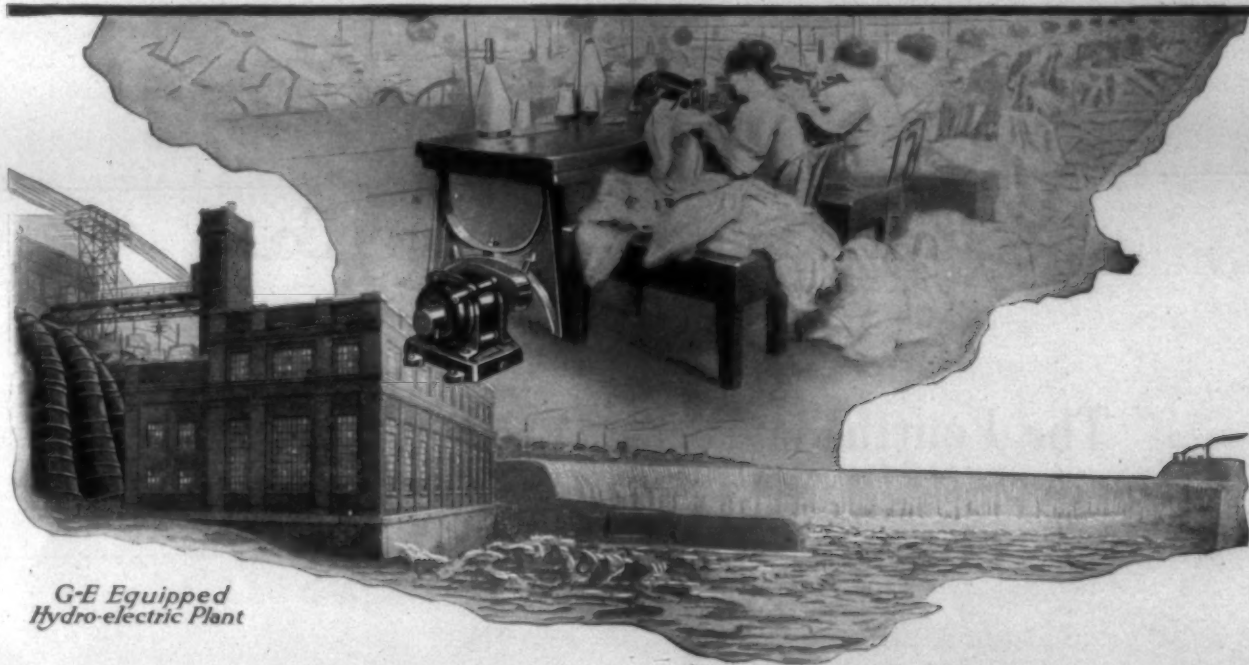
The
National Aniline *and* Chemical Co., Inc.
will exhibit at
The Fourth Southern Textile Exposition
at
GREENVILLE, S. C.
OCTOBER 18th to 23rd, INCLUSIVE

An attractive line of its products illustrating the progress made in the development of a **National dyestuff industry.**

It shows the extent to which the needs of the **textile mills** are now being met by **American made dyestuffs** which are, type for type, the equal of any hitherto known.

You are cordially invited to visit our booth and inspect the evidence we offer to support this claim.

In many cities production can be increased, its quality improved, and new industries added by efficiently making and using the available power



*G-E Equipped
Hydro-electric Plant*

*How electricity increased and improved
a textile city's production*

EACH mill in a certain textile city was driven by its old water-wheel—production was low, so was quality.

In summer, low water and leaky canal beds slowed up the wheels—in winter, anchor ice did the same.

Finally, G-E textile mill specialists were called in to suggest a better way of using the water power.

A central water power plant was built to supply all mills with electric power and provide a surplus for new industries.

Electric drives at each mill applied power directly to productive machines, and losses due to mechanical drives were largely eliminated.

Machinery was enabled to operate at a constant maximum productive speed.

Its output was increased 35% and a very much better product resulted.

Any community's efficiency may be increased manifold by the proper utilization of Nature's resources and the application of electricity in homes, industries or on farms.

*Look for this mark
of leadership in
electrical development
and manufacture*



G-E motors

From the Mightiest to the Tiniest 44-03

GENERAL ELECTRIC COMPANY

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STA-WHITE
MAKES THE DIFFERENCE

The Right Paint for Plant Lighting

The right paint calls for materials in its manufacture which not only afford maximum lighting, but which through durability make for lowest ultimate cost.

If you buy Sta-White—the pure white oil paint—there is definite assurance that you will get full return for your money. It has a value demonstrated in service. If you buy low grade paint of unproven merit, your initial expenditure will very likely be lower, but your per year cost invariably higher.

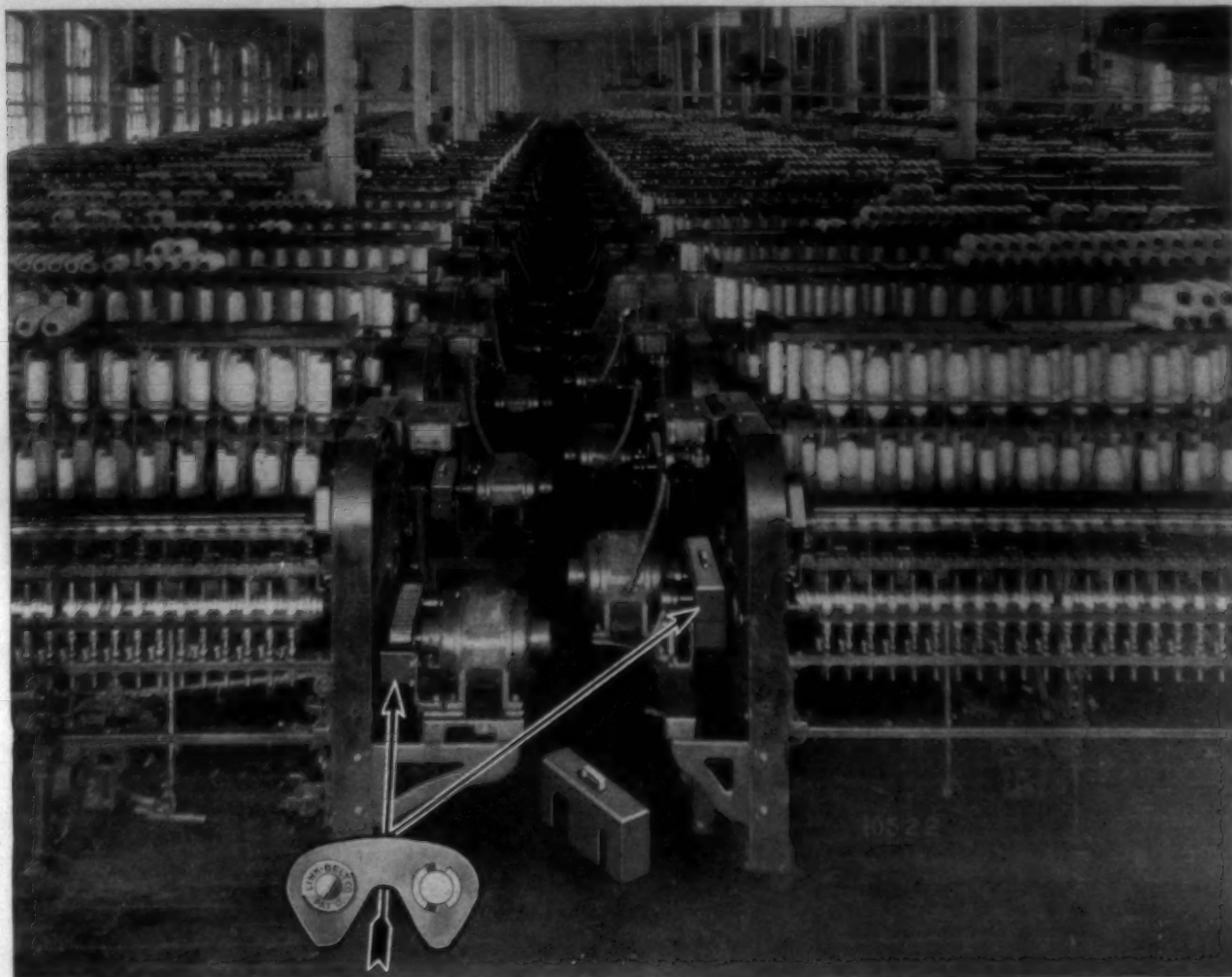
When you paint it will pay you to remember Sta-White. It reflects and diffuses all the light, and it gives service year after year. It is one of the Degraeco line of dependable paints.

Our book "Lighting Industrial Interiors" discusses lighting and Painting Problems in Practical Detail. Write for a copy.

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Makers of
Paints In All Colors For All Purposes
505 Twelfth Street DETROIT, U. S. A.
Sold Through Branch Offices with Warehouse Stocks in all Principal Cities.
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DEGRACO PAINTS

All Colors for All Purposes



Efficient Power Transmission

THE selection of the correct power transmission for the varied types of machinery used in Textile Mills today should be accorded the same careful thought that is given to the manufacture of the product of the mill.

When investigations are made Link-Belt Silent Chain Drives are usually selected because Link-Belt Silent Chain combines the best points of the leather belt with the positive action of gears, minus their disadvantages.

Upon the power transmitting medium depends not only a saving or a waste of power, but, what is more important, an increase or decrease in the production. Also a uniformly perfect product results from the use of a uniformly smooth-running

drive. Therefore, give this subject—the selection of the proper driving medium—the attention it deserves.

The day has passed when anyone can afford to waste power (money), or fail to adopt modern methods which mean "safety-first", and an increase in production—equipment such as the Link-Belt Silent Chain Drive, which requires minimum attention and gives such reliable, efficient service.

Let one of our experienced power transmission engineers call on you and explain the effectiveness of transmitting power to your machines with the Link-Belt Silent Chain Drive.

Write for 123 page price list Data Book No. 125.

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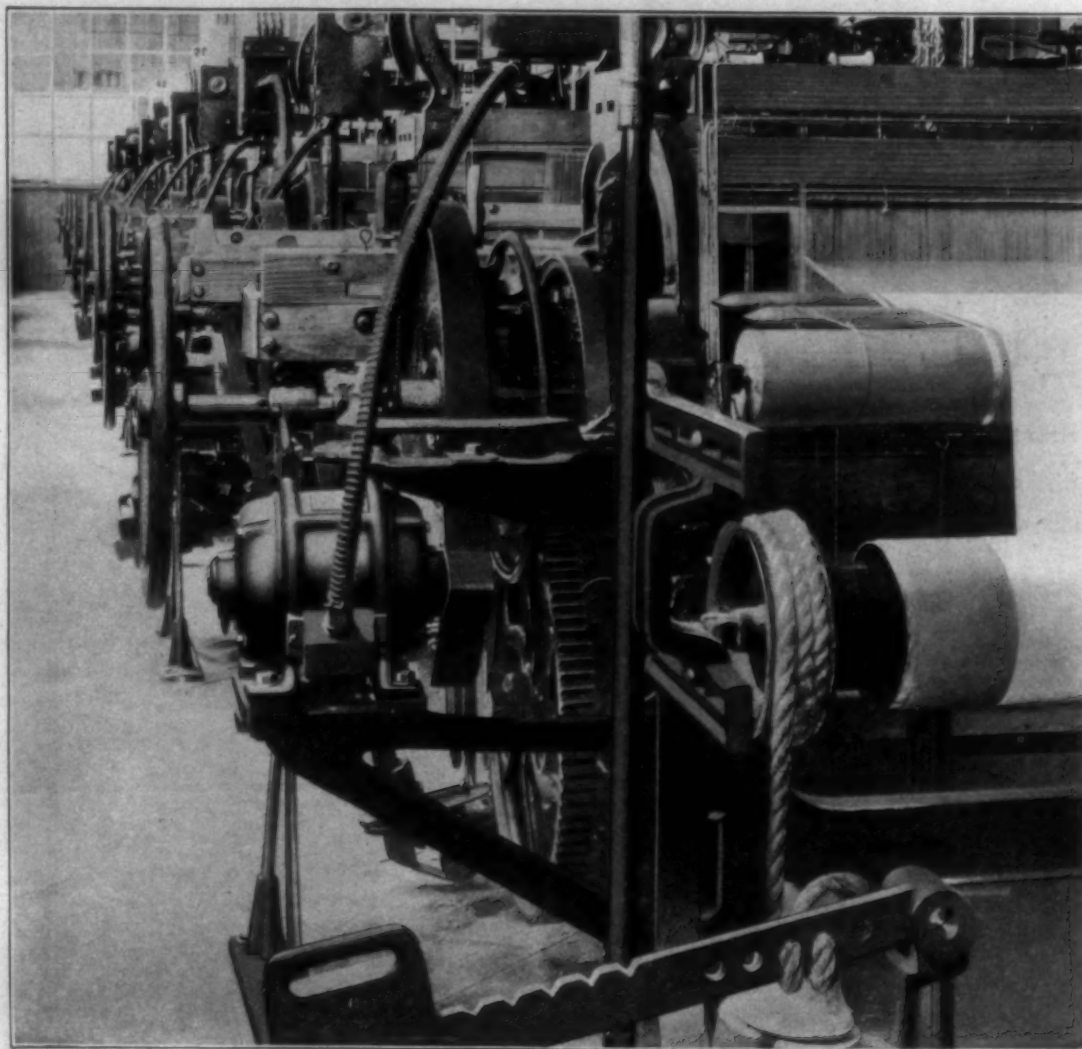
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LINK-BELT SILENT CHAIN DRIVES

See our Exhibit, Southern Textile Exposition,
Greenville, S. C., Oct. 18-23. Spaces 112-13-14.

Loom Motors



Allis-Chalmers Loom Motors are totally enclosed, have waste packed bearings and are arranged for conduit connections

A complete line of ratings 1-3, 1-2, 3-4, 1, and 1 1-4 H. P. has been especially built for this service.

TEXTILE BULLETIN SENT ON REQUEST

ALLIS-CHALMERS

MILWAUKEE, WIS. U. S. A.



MORE than 40 years in the merchandising and manufacturing of dyestuffs has given us an insight into the intricacies of the many problems with which you are confronted and a wealth of information and experience which is always available to you.

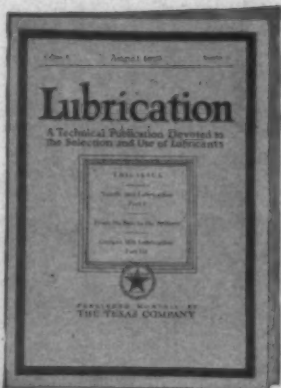
We feel justified in soliciting your business by virtue of past performances and service, assuring you of our continued earnest desire to co-operate with and serve you.

Aside from the line of colors made in the U. S. by **CONSOLIDATED COLOR & CHEMICAL Co.** and **CENTRAL DYESTUFF & CHEMICAL Co.**

we will be glad to procure for you on Import Licenses that may be granted you by the War Trade Board such colors as are available and made by the Farbwerke-Hoechst, Farbensabriken vorm. Fried. Bayer & Co., Leverkusen, Leopold Cassella & Co. Frankfurt, Kalle & Co., Bieberich, and Griesheim-Electron (Oehler) of Frankfurt. Licenses are granted for colors not made in the United States or not made in sufficient quantities or at reasonable prices. All products brought over on Licenses will be obtained by us at the lowest prices quoted for export to any one or any Government by the manufacturers.

Smashing old Precedents

To Secure New Economies



Send for the
August and September
Numbers.

The leading articles of these two issues of our magazine "Lubrication" are on "Textile Mill Lubrication."

They take you, step by step, through every process of manufacture, indicating the right lubricant for every machine, from bale-breaker to printing machine.

One feature that you will like is that we have not overburdened this discussion with any propaganda for Texaco Lubricants. We tell you what *kind* of oil to use and then allow you to decide for yourself how well we can supply each and all of your lubricating requirements with Texaco Lubricants.

THE immediate success of TEXACO Comb Box Lubricant shows what can be accomplished by engineers who are not content to follow the beaten track.

BRIEFLY STATED, HERE IS ITS HISTORY

For years it has been customary to use a high viscosity or "heavy" lubricant in the comb box.

We felt that the use of products of this class entailed a wastage of power and produced a high friction temperature (often very dangerous in a textile mill). We set about to remedy this defect and after extensive investigation, experiment, and operating tests, we developed and perfected.

TEXACO Comb Box Lubricant

The viscosity of this lubricant is considerably lower than most of those offered for sale or now in use. To prove conclusively that Texaco Comb Box Lubricant is adequate for the work we have only to cite two points:

First:—

One filling of Texaco Comb Box Lubricants lasts two to three times as long as other kinds.

Second:—

In every case we have shown that with Texaco Comb Box Lubricant there is a considerable reduction in frictional temperature of the box. Sometimes this difference exceeds 15 degrees.

Texaco Comb Box Lubricant is made especially for the purpose and meets operating conditions perfectly. It brings with it the freedom from mechanical difficulties in the comb box and because of its long life it is exceptionally economical.

Another Texaco Product worthy of special mention is
TEXACO TOP ROLL LUBRICANT

This Coupon Brings "Lubrication" to you, Free

THE TEXAS COMPANY

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City

State

Over 300 Cotton Mills Have Adopted our System of **Dustless Card Stripping** AND **Broomless Floor Sweepers** *Partial List of Users:*

Passaic Cotton Mills, New Bedford, Mass., all mills
 Holmes Mfg. Co., New Bedford, Mass.
 Gosnold Mills Co., New Bedford, Mass.
 Wamsutta Mills, New Bedford, Mass., all Mills
 Kilburn Mills, New Bedford, Mass.
 Booth Mfg. Co., New Bedford, Mass.
 Page Mfg. Co., New Bedford, Mass.
 City Mfg. Corp., New Bedford, Mass.
 Butler Mills, New Bedford, Mass.
 Sharp Mfg. Co., New Bedford, Mass.
 Taber Mill, New Bedford, Mass.
 Granite Mills, Fall River, Mass., repeat orders
 Shawmut Mills, Fall River, Mass., repeat orders
 Arkwright Mills, Fall River, Mass.
 American Printing Co., Fall River, Mass.
 Merchants Mill, Fall River, Mass.
 Hargraves Mills, Fall River, Mass.
 Weetamoe Mfg. Co., Fall River, Mass.
 Davol Mills, Fall River, Mass.
 Chace Mills, Fall River, Mass.
 Mechanics Mills, Fall River, Mass.
 American Thread Co., Kerr Mills, Fall River, Mass.
 Everett Mills, Lawrence, Mass.
 Pacific Mills, Lawrence, Mass., all Mills, North and South
 West Boylston Mfg. Co., Easthampton, Mass.
 Berkshire Cotton Mfg. Co., Adams, Mass.
 Merrimack Mfg. Co., Lowell, Mass., all Mills, North and South
 Massachusetts Cotton Mills, Lowell, Mass., all Mills
 Hamilton Mfg. Co., Lowell, Mass., all Mills
 Lyman Mills, Holyoke, Mass.
 Fisher Mfg. Co., Fisherville, Mass.
 Amoskeag Mfg. Co., Manchester, N. H., repeat orders
 Nashua Mfg. Co., Nashua, N. H.
 Monadnock Mills, Claremont, N. H.
 Cabot Mfg. Co., Brunswick, Maine
 Williamantic Mills, Williamantic, Conn., repeat orders

Lawton Mills Corp., Plainfield, Conn.
 Warwick Mills, Centreville, R. I.
 B. B. & R. Knight, Providence, R. I.
 Greene & Daniels Co., Inc., Pawtucket, R. I.
 The Ninigret Co., all Mills
 Nyanza Mills, Woonsocket, R. I.
 Forestdale Mfg. Co., Forestdale, R. I.
 Victor-Monaghan Company, Greenville, S. C., all Mills
 Camperdown Mills, Greenville, S. C.
 American Spinning Co., Greenville, S. C.
 Mills Mfg. Co., Greenville, S. C.
 Alice Mills, Easley, S. C.
 Easley Cotton Mills, No. 1, Easley, S. C.
 Glenwood Cotton Mills, Easley, S. C.
 Republic Cotton Mills, Great Falls, S. C.
 Piedmont Mfg. Co., Piedmont, S. C., all Mills
 Baldwin Cotton Mills, Chester, S. C.
 Gluck Mills, Anderson, S. C.
 Equinox Mills, Anderson, S. C.
 Hamilton-Carhartt Co., Carhartt, S. C., all Mills
 Blue Buckle Cotton Mills, Rock Hill, S. C.
 Pickens Mills, Pickens, S. C.
 Durham Hosiery Mills, Durham, N. C.
 Wiscasset Mills, Albemarle, N. C.
 Roberdel Mfg. Co., Rockingham, N. C.
 Roberdel Mfg. Co., No. 1 Mill, Rockingham, N. C.
 Leak, Wall & McRae, Inc., Rockingham, N. C.
 West Point Mfg. Co., West Point, Ga., all Mills
 Meritas Mills, New York, all Mills
 Columbus Mfg. Co., Columbus, Ga.
 Pelham Mfg. Co., Pelham, Ga.
 Kincaid Mfg. Co., Griffin, Ga.
 John P. King Mfg. Co., Augusta, Ga.
 Aragon Mills, Aragon, Ga.
 Dwight Mfg. Co., Alabama City, Ala.
 McComb Cotton Mills Co., McComb, Miss.
 Texas Cotton Mills Co., McKinney, Tex.
 Sherman Mfg. Co., Sherman, Tex.

William Firth, Inc.

200 Devonshire St.

BOSTON, MASS.

If not made by
Felt & Tarrant,
it's not a Comptometer



The Right Answer or None at All

That is the Positive Ultimatum of the Comptometer

AND the power to make it effective is provided in the Controlled-key—an automatic device found only in the Comptometer.

This does not mean that an operator may not touch a wrong key or employ a wrong method in the solution of a problem. These are operations which lie beyond the range of mechanical control.

But it does mean that the Controlled-key automatically requires the operator to get, for every key stroke, "*the right answer or none at all.*"

This mandate of the Controlled-key cannot be ignored or disregarded by the operator.

For when an incomplete or faulty key stroke occurs, the Comptometer positively refuses to register the error; and to emphasize its refusal the

keyboard automatically locks, thus compelling correction of the fault.

To make correction, the operator completes the unfinished stroke; then unlocks the mechanism by touching the release key and goes on adding. Only when a fault occurs that would otherwise produce an error does the Controlled-key clamp on the brakes.

That is why, even in the hands of an inexperienced operator, every key stroke must always give "*the right answer or none at all.*"

It costs money to correct figure errors. Accuracy in figuring, therefore, means economy. Speed with accuracy means still greater economy. Under the protection of this Master safeguard it is easy for the operator to handle all forms of figure work with Speed and Safety.

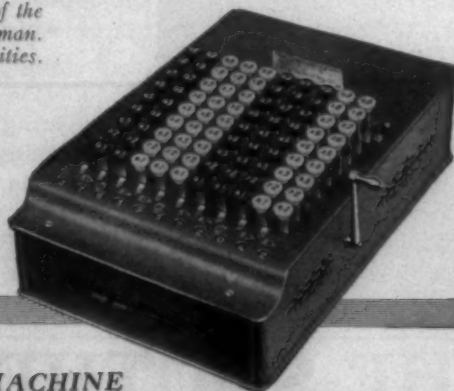
Another safeguard—one that notifies the operator when the register is clear and prevents the starting of a new operation on an uncleared register—is the automatic clear register signal.

To see for yourself what advantages these features of the Comptometer offer, get in touch with a Comptometer man. There is one on the phone in one hundred different cities.

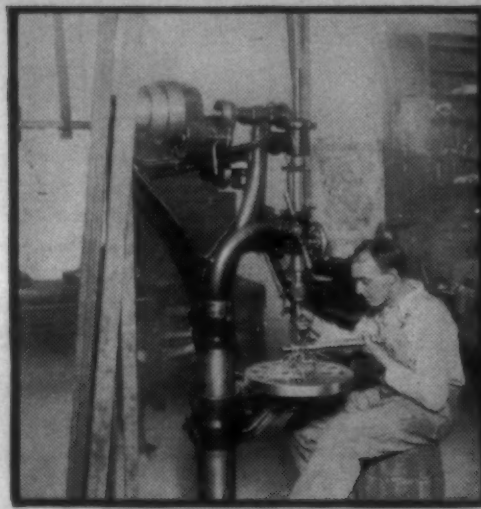
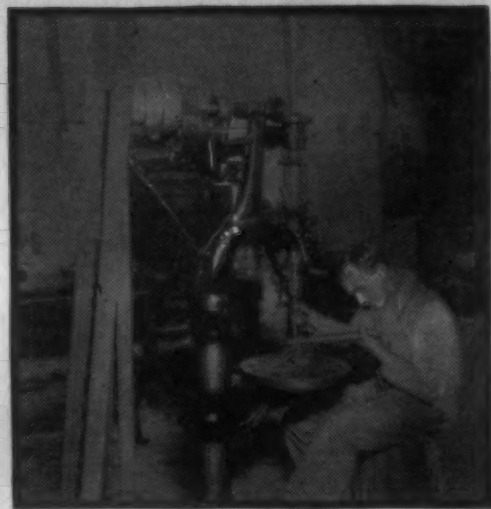
Felt & Tarrant Mfg. Company
1709 N. Paulina St. Chicago, Ill.

CONTROLLED KEY
Comptometer
REG. TRADE MARK

ADDING AND CALCULATING MACHINE



Visit Booth 175-176, main floor Textile Hall, Greenville Exposition, October 18-23, and ask a demonstrator to show you why every keystroke must give "*The Right Answer or None at All.*"



Give this man a chance "Cotton White" made this change

COTTON WHITE

The Daylight Saver

**A NEW
WHITE PAINT**
*for interiors of
Mills & Factories*

*Stays White
does not turn
yellow can be
washed when
soiled*

THE output of a manufacturing plant can be measured in a direct ratio to the conditions surrounding the workers, and no factor so curtails the earning power as does the lack of proper light.

"Cotton White" turns a gloomy factory into a bright, cheerful workshop. It gives a new zest to the workers and makes of them something greater than the machines they attend. It gives you longer working hours, and it saves big lighting bills.

Bigger output—better workmanship—cheerful co-operation, and improved health are only a few of the unearned increments and by-products of "Cotton White."

"Cotton White" is a real paint and is applied with a brush. It is not a water paint or whitewash squirted on with a hose.

There is no other Interior Paint like "Cotton White"—no other paint has its great covering capacity, long life, or its great light-reflecting power. It is equally good when used on woodwork, bricks, or plaster.

*Send for descriptive booklet and estimate.
Buy direct at low factory prices.*

*Adds 3 to 5
profitable work-
ing hours to a
week's work*

*Saves 20 to 35%
Lighting Costs*

Reduces spoilage

Prevents accidents

THE SOUTHERN COTTON OIL CO.
PAINT DEPT. SAVANNAH GA.

The
Pacific Mills, Merrimack Mfg. Co.,
Ipswich Mills, Whittenton Mfg. Co.,
European Textile Company

are the world's foremost makers of printed, dyed and bleached Cotton Goods of every description, Cotton Warp and All-wool Dress Fabrics, Corduroys, Fustians, Khakis, Velveteens, Grey Plain Cloths, Gingham, Full and Crib size Cotton Blankets, and Men's, Women's and Children's Seamless Hosiery, Shoe Linings, etc., exactly adapted for both domestic and foreign requirements in every respect.

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39 Aldermanbury
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Address all Foreign Correspondence to

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SPINNING RING SPECIALISTS SINCE 1873

SPINNING RINGS
TWISTER RINGS
SILK RINGS



DIAMOND FINISH

TRAVELLER CLEANERS
TRAVELLER CUPS
GUIDE WIRE SETS

**WHITINSVILLE
SPINNING RING CO.
WHITINSVILLE, MASS.**

You are invited to visit the headquarters of the SKF Industries, Inc., when you come to the Fourth Southern Textile Exposition Greenville, S. C. October 18.

Before You Buy Textile Machinery Think of Its Bearings.

A Stillson wrench "slipping" on a length of stubborn gas-pipe is one way to picture how plain or poorly designed bearings grip and wear moving parts of your textile machinery.

A greatly exaggerated comparison, of course, but a homely idea of the terrific wearing action of metal rubbing on metal.

The owner has to overcome such friction by frequent oiling—oiling costs money and at best is a mean job.

The owner pays in the long run, too, by burning up more fuel and by the cost of his repairs or layups.

A BEARING THAT "SPINS"—NOT RUBS.

Modern textile designers find that the ball bearing is the most practical solution of the problem, simply because the balls "spin" under their load and there can be no rubbing.

Hence the least possible friction, wear and depreciation, with obvious economy in operating cost.

It will be well worth your while to let us tell you all about ball bearings when you come to Greenville.

SKF Industries, Inc., New York City

Supervising at the request of the stockholders

The Hess-Bright Manufacturing Co.
Atlas Ball Co.

Hubbard Machine Co.

SKF Ball Bearing Company
SKF Research Laboratories

SKF

Among these products now offered are:

Single row deep groove ball bearings.

Double row self aligning ball bearings.

Steel balls.

Transmission equipment.

Charlotte Supply Co.

Charlotte, N. C.

General MILL Supplies

—Distributors—

THE PHILIP CAREY COMPANY
PRODUCTS

Roofings

Shingles (composition)

Wall Board

Paint for felt and metal roofs

Asbestos Covering

Cement

Estimates for Roofing Applied and Steam Pipe
and Boiler Insulation Furnished and
Work Promptly Executed.

Carolina States Electric Company

Incorporated 1920

CHARLOTTE, N. C.

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Wholesale Distributors Electrical Supplies

Motors

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Electric Ranges

Mill Type Fuses

Renewable and Non-renewable

Safety Switches

Wire and Cables

Lamps and Reflectors

Wiring Devices

Conduit

Quality & Service—the Foundation Stones of our House

COOPER & GRIFFIN

INCORPORATED

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WADE COTHRAN, Secy-Treas.

W. F. JACKSON, Asst. Treas.

J. P. MANLEY

D. E. McCUEN

Asst. Managers

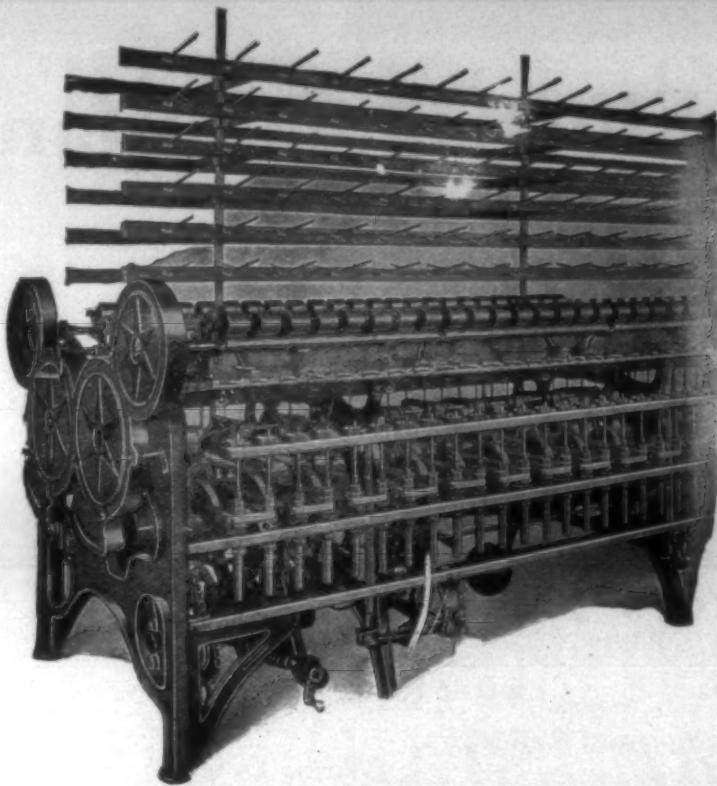
Cotton

OFFICES

GREENVILLE, S. C.
SPARTANBURG, S. C.
GREENWOOD, S. C.
CHARLOTTE, N. C.
SAVANNAH, GA.
TOCCOA, GA.
LAVOINA, GA.
ATLANTA, GA.

GREENVILLE, S. C.

(Telegraph Codes: Shepperson and Meyers)



Tape-Driven Twisters

Saves 50 per cent
operative power

Produce more
even yarn

COLLINS BROS. MACHINE CO., Pawtucket, R. I.

A. B. CARTER Southern Agent GREENVILLE, S. C.



White Star Roving Cans

Have no Superiors and few Equals. Made from best Vulcanized Fibre, Most skillful Construction.



Also Roving Boxes, Spooler Boxes,
Weave Room Boxes, Doffing Boxes.

WE WOULD BE GLAD TO RECEIVE YOUR INQUIRIES

Fibre Specialty Manufacturing Co.

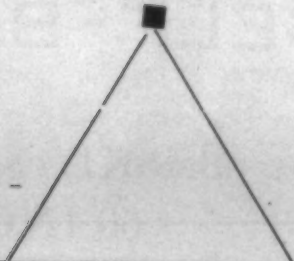
KENNETT SQUARE, PA.

Southern Agent

A. B. CARTER, Greenville, S. C.



BOBBINS *and* SPOOLS



True Running
Warp Bobbins
a Specialty

*You are cordially invited to visit our exhibit, Southern
Textile Exposition, October 18-23. Spaces 144-45-46.*

The Dana S. Courtney Co.

CHICOPEE, MASS.

Southern Agent A. B CARTER, Greenville, S. C.

HYDRO EXTRACTORS



Only Hercules Hydro Extractors are equipped with our exclusive tilting mechanism to facilitate removing basket, bearings, etc.

"HERCULES" ELECTRIC SELF-BALANCING

BASKETS 30 TO
60 INCH

"The Finest Extractor Made"

**BALL BEARINGS
NICKLE STEEL SPINDLES
DIRECT MOTOR DRIVE
NO BELTS OR GEARS
CENTRIFUGAL CLUTCH
MOTOR TILTING BRACKET
SELF-LOCKING BRAKE**



42" Type B Extractor

Southern Representative
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WHITEHEAD, WINANS, Ltd.
285 Beaver Hall Hill, Montreal, Can.

Eastern Representative
F. A. TOLHURST
40 S. Seventh Street
Philadelphia, Pa.

EAST JERSEY PIPE CO. SUCCESSORS TO **GILLESPIE MOTOR CO.**
PATERSON, N.J.

San-da-lite

THE application of paint means more to the mill industry than mere surface protection. It is now recognized as the most effective and efficient conductor and distributor of light.

Good paint, when properly applied, will repay the cost in added production. That fact has been demonstrated time and time again.

San-da-lite is the scientific development of oil and pigment by expert chemists who have produced a super-excellent paint for mill interiors. It is a Southern product, made purely for Southern consumption. Climatic conditions enter largely into its composition.

Our industrial department serves the mill industry exclusively. It is in charge of a lighting engineer who will solve that problem for you without obligation.

We make, too, a complete line of exterior and roofing paints, all of which are manufactured under the supervision of a chemist who is reputed to be one of the leading authorities in America.

Ours is the only complete paint manufacturing plant in the South. We are at your very door at your service.

JOHNSON PAINT COMPANY
Atlanta, Ga.



Uniformity of Humidity Conditions AS MAINTAINED BY OUR AUTOMATIC HUMIDITY CONTROLLER

has determined a general adoption of our Equipment by the Representative Textile Manufacturers, both North and South, as shown in a partial list below of orders received during the last nine months.

Massachusetts Cot. Mills
Bibb Manufacturing Co.
B. B. & R. Knight
Jenckes Canadian Company
Langley Manfg. Co.
Passiac Cotton Mills
New York Mills
Whitney Manfg. Co.
Tamarack Company
Victory Mills
Victor-Monaghan Mills
Great Falls Manfg. Co.
Clifton Manfg. Co.
Monomac Spinning Co.
Boston Manfg. Co.
Clark Thread Co.
Erwin Cotton Mills
Warwick Mills
Roanoke Mills Co.
Berkshire Cotton Mills
LaFayette Cot. Mills

Avondale Mills
Granite Mills
Fitzgerald Cotton Mills
Bay State Cotton Co.
Page Manfg. Co.
Salmon Falls Manfg. Co.
Canadian Cottons, Ltd.
Hannah Pickett Mills
Wood Worsted Mills
Waypoysset Manfg. Co.
Dominion Textile Co.
Nonquitt Spinning Mills
Acorn Silk Company
Bamberg Cotton Mills
Mt. Hope Spinning Mills
Pelham Cotton Mills
Shuttleworth Brothers
Norris Cotton Mills
Stewart Silk Co.
Arthur Emmerich Co., Inc.
Scottdale Mills

Union-Buffalo Mills
J. H. & C. K. Eagle, Inc.
McComb Cotton Mills
Musgrove Mills
Consolidated Textile Corp.
Bloomfield Manfg. Co.
Utica Steam Cotton Co.
Nield Manfg. Co.
Steele's Mills
Samoset Cotton Mills
Dexter Yarn Mills
Quissett Mills
Schwarzenbach Huber Co.
Van Slyke & Horton
Thomaston Cotton Mills
H. R. Mallinson & Co.
Aiken Mills
P. McGraw Wool Co.
Tifton Cotton Mills
Belton Mills
Canadian-Conn. Cot. Mills, Ltd.

ACCURATE, SIMPLE AND DEPENDABLE

Automatic instruments have been used in some cases to control moistening systems, but heretofore these have not been entirely successful, owing to their complicated construction and delicate adjustment.

After years of study and experiment, we have produced a device which it is believed meets all the requirements of operation without being complicated or intricate. While extremely sensitive to variations in the atmosphere and very delicate in its control, still at the same time it is **absolutely positive** in operation and entirely reliable under any and all conditions. In brief, it is a **practicable dependable instrument**, adapted to general requirements, and **absolutely accurate** in its control of the **Hygrometric condition of the atmosphere**.

Our Specialties are all Standards of Modern Textile Mill Equipment

Our Comins Sectional Humidifiers
Our Fan Type and High Duty Humidifiers
Our Ventilating Type of Humidifiers (Taking
fresh air into the room from outside)
Our Atomizers or Compressed Air System

Our Compressed Air Cleaning System
Our Conditioning Room Equipment
Our Automatic Humidity Control (Can be applied
to systems already installed)
Our Automatic Temperature Control

AMERICAN MOISTENING COMPANY

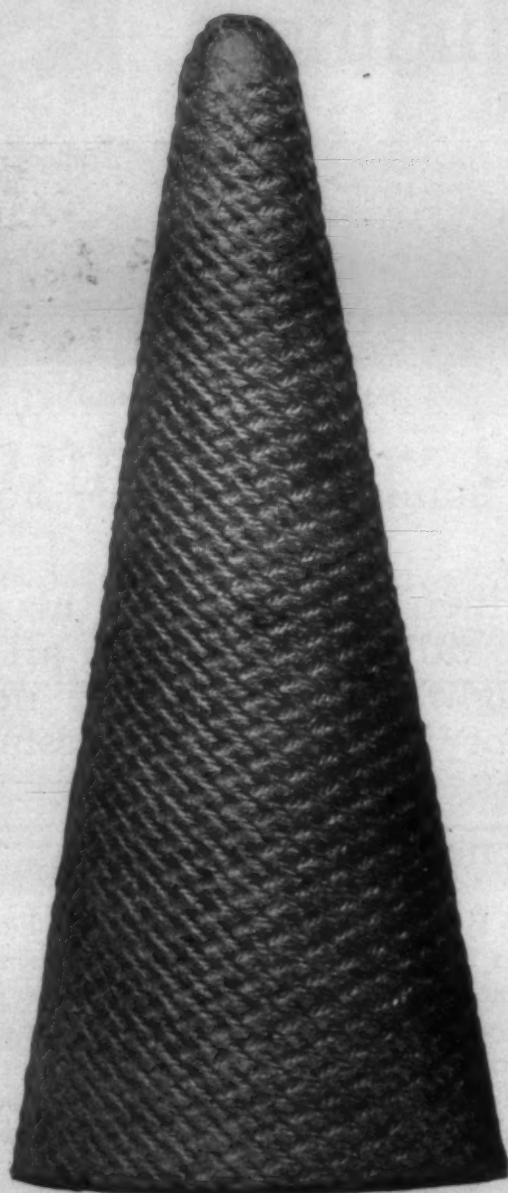
BOSTON, MASS.

WILLIAM R. WEST, President
W. R. GRACE & CO.
New York

ATLANTA, GA.

FRANK B. COMINS, V.P., Treas. & Gen. Mgr.
W. J. WESTAWAY CO.
Hamilton, Canada

ANDERSEN, MEYER & CO., LTD.
Shanghai, China



The "Sonoco" "Yarnsaver"
LIFE SIZE

"SONOCO"
TRADE MARK REG. U. S. PAT. OFF.
SOUTHERN NOVELTY CO.
HARTSVILLE, S. C.

Cones

made with the uniform accuracy of delicate machine parts, of carefully selected paper from our own mill, and surfaced by our exclusive process, are cones that fit every time, that assure true running and uniform winding without waste. Such cones are branded

"SONOCO"

because the process is ours from the pulp to the paper and from the paper to the finished cones. Our process is the product of twenty years experience in the manufacture of cones, cloth winding cores and

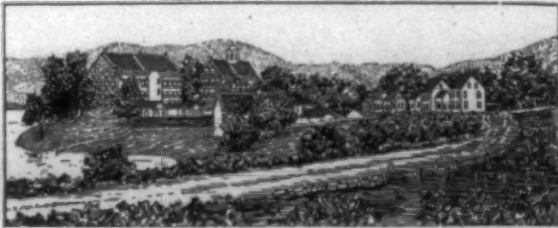
Parallel Tubes

We want to extend our
usefulness to your mill

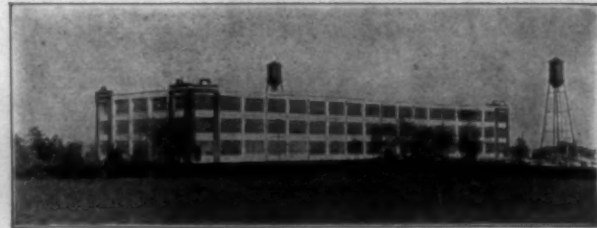
Manufactured by

Southern Novelty Co.
Hartsville South Carolina

Why the Modern Textile Mill Needs Humidifiers



AMERICA'S FIRST COTTON MILL



A MODERN TEXTILE MILL

Great grandmother didn't need humidifiers to successfully run her spinning wheel.

Grandfather didn't need humidifiers very much in his old stone mill, where the fog from the tail race gave him all he wanted when the wind was right. Father didn't need humidifiers very much either—or if he did—successfully solved his problem with vapor pots.

So the question is—why do you need humidifiers?

The early textile manufacturers did not need to think of artificial humidity. Factory operations had so lately superseded manual operations, speeds were slow; and if textile operations are done slowly enough, they may be accomplished still without developing that enemy to speed—frictional electricity.

Slow speeds mean a low mechanical equivalent of heat. High speeds mean a high mechanical equivalent of heat. These high speeds—developing so much heat mean that the surrounding air has to have more—and still more moisture to neutralize it.

But you—with your modern mill, operated at speeds that while you take them for granted, are as spectacular as that of a Mauretania compared with a Mayflower—you need an atmospheric condition higher in humidity and one that does not vary from hour to hour, from day to day, from week to week, or from season to season.

That's why the modern textile mill needs humidity. That's why humidifiers are essential to your keeping up in the race for greater production—more uniform and better product—and lowered costs.



Parks-Cramer Company
Engineers & Contractors
Industrial Piping and Air Conditioning
Fitchburg Boston Charlotte





Paint Your Walls and Ceilings

with *Pee Gee Millite*, the great distributor of daylight and artificial light in mills. It increases production, as well as the efficiency of your employees. It has a high gloss—tile-like finish of highest reflective power, diffusing and reflecting light to every corner of your mill.

Pee Gee Millite Does Not Turn Yellow

Pee Gee Millite is made by our own perfected process of especially prepared white pigments and long oil; therefore it will not turn yellow like ordinary paints which contain lead and varnish.

It is an economical paint because it is washable, durable, germ and moisture proof. Saves the expense of frequent repaintings,

does not peel nor crack, and withstand the vibration of heavy machinery.

Pee Gee Millite spreads freely and is easily applied on wood, plaster, stone, brick or metal surfaces, having a covering capacity of 450 to 550 square feet per gallon. It is made in gloss enamel or egg-shell finish.

Experimental Laboratories at your Service

We urge you to take advantage of the expert help we offer you. Suggestions, advice and even the services of an experienced man to supervise the job—are yours for the asking—no obligation whatsoever, just a demonstration of the PEE GEE idea of thoroughness and efficiency.

"There's a Pee Gee Paint Product for Every Mill Purpose"—Write Us.

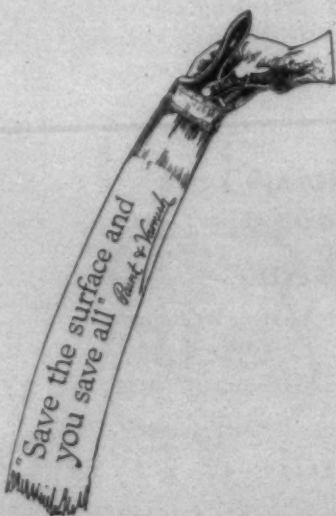
Peaslee-Gaulbert Company, Inc.

PAINT GRINDERS

Est. 1867

VARNISH MAKERS

Louisville, Kentucky





They Stand The Gaff For Years

Laminar Mill Receptacles are as smooth as paper, as strong as iron and as light as wood. They will not rust or corrode. In fact, there doesn't seem to be any wear-out to them—they are made of *VUL-COT* fibre—it's as tough as horn.

These Laminar Mill Receptacles are made in the form of trucks, doffing boxes, roving cans, and all sorts of special boxes, cans and trays.

Remember that

Laminar Mill Receptacles that were turned out 25 years ago are still on the job at some of the largest industrial plants in the country.

These are the receptacles you want in your place. Let us send prices and illustrations. Your name and address on a post card will do.

American Vulcanized Fibre Co.

Sole Proprietors and Manufacturers

New England Department, C. C. Bell, Res. Mgr.
12 Pearl Street, BOSTON, Mass.

Head Office and Factories, Wilmington, Delaware

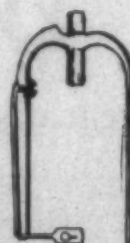
LAMINAR
MILL RECEPTACLES

W. H. MONTY
President and Treasurer

W. H. HUTCHINS,
Vice-Pres. and Secretary

The ONLY Flyer Presser Makers in the South

Southern Spindle & Flyer Co. CHARLOTTE, N. C.



Manufacturers
Overhauled and
Repairers of
Cotton Mill Machinery



We Manufacture

Steel Rolls, Flyer Pressers, Card Room Spindles, Lifting Rods,
Cylinder Heads, etc.

We Repair

Steel Rolls, Spindles, and Flyers of all kinds, Picker Lap
Pins, etc.

We Sell

Twisters, Single or Double Spinning Rings of the best make.

We Align and Level

Shaftings with Kinkhead Outfit

We Do

Electric and Acetylene Welding

Southern Spindle & Flyer Co.,
Charlotte, N. C.

QUALITY

SPINNING and TWISTING

TRAVELERS

OF EVERY DESCRIPTION

U. S. Standard—U. S. Means Quality

THE finest tempered and most durable travelers that skilled workmanship and latest improved machinery can make are our product. Uniform temper insures even running, while poor tempering means broken travelers and cut threads. Our shipments vary not the slightest either in weight or quality from our samples.

Our Specials

The Bowen-Wilson Round Pointed Travelers
The Bowen Square Pointed Traveler
The Bowen Superior Bronze Twisters

U. S. RING TRAVELER CO.



Amos M. Bowen, Treas.

159 Aborn Street, PROVIDENCE, R. I.

No Connection With Any Other Ring Traveler Company

Southern Representative

WM. P. VAUGHAN Box 792 Greenville, S. C.



Atlanta

Charlotte

Philadelphia

CHARLOTTE BRANCH

International Cotton Products Co.

507-508 TRUST BUILDING

Long Distance Phone 9949

Postal Phone

Local Phone 1563

Plant, ROSELAND, Ga.

Cotton Waste

Import, Export and Domestic

Members American Cotton Waste Exchange

FIBRE

Leatheroid



The Factory Equipment that lasts

THE more Leatheroid equipment you buy, the less factory equipment you buy. That's because LEATHEROID equipment lasts a long, long time.

Find out all about LEATHEROID Doffing Cars, Roving Cans, Mill Cars, etc.—how they save expense for you.

Sold by leading Southern mill supply houses.

Be sure to see the LEATHEROID Equipment display at Booths 301-02-03-04 at the Greenville Textile Exposition, Greenville, S. C., October 18th to 23rd.

**ROGERS
FIBRE CO.**

LEATHEROID SALES DIVISION
1024 Filbert Street PHILADELPHIA



Leatheroid Box

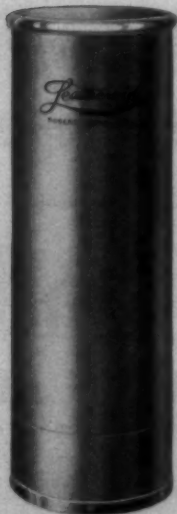


No. 3 Mill Car—All Leatheroid



No. 2 Steel-Clad Car—Leatheroid & Steel

No. 1
Roving Can
Solid Fibre—
Rolled Top



Doffing Car

High Grade
PAINTS and VARNISHES
FOR
Industrial Plants and Villages

MONAD MILL WHITE
for efficient light diffusion

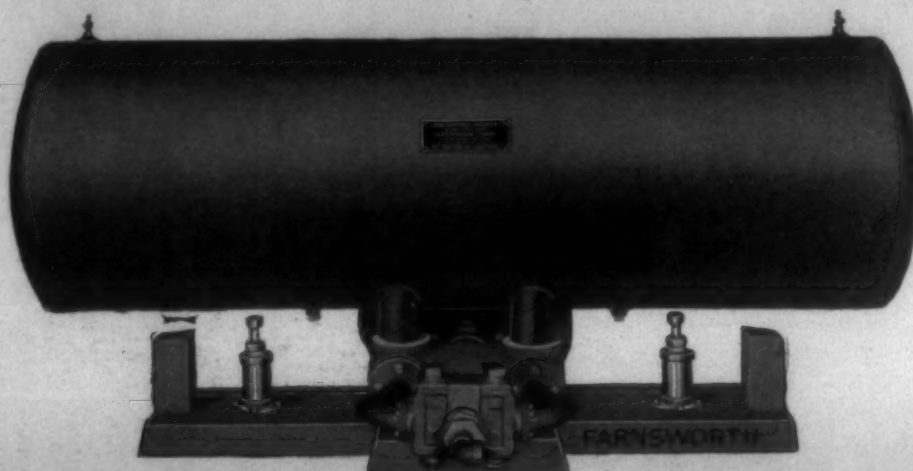
MONAD HOUSE PAINTS
for outside and inside

RUBBERITE SPAR VARNISH
The most durable and flexible varnish made

CHISFIN
to protect from corrosion.

Atlantic Drier and Varnish Co.
PHILADELPHIA

See Our Booth, No. 203



The Farnsworth Duplex Boiler Feeder—The Master Machine
Place above water line of your boiler. Equalize the chambers with boiler pressure
The water must flow into your boiler with no energy
and with a steady even flow

A Few FARNSWORTH Repeat Orders

Taken From 750 Plants Equipped in 3 Years

Repeat Orders for 225 machines are proof of the service and satisfaction derived by these large manufacturing establishments. It is a true record which tells the story of coal saving and increased production secured by the firms "Farnsworth Equipped." The Farnsworth Closed System for handling condensation is making good. Canada and Europe are in the market for more machines than we can furnish at this time. The demand in this country is taxing our production.

The Farnsworth Closed System for paper mills, oil refineries, textile mills, laundries, in fact, for all plants using steam for heating and drying, is today recognized as the ideal method for handling condensation to save coal and increase production.

Success in doing what we claim resulted in the repeat orders shown here, which prove the worth of the Farnsworth Closed Systems. It may pay you to investigate our claims, too.

In the following table of repeat orders, it will be seen that some concerns have repeated from three to five times. The Brown Company, Berlin, N. H., big paper manufacturers, in three repeat orders which included closed systems to handle condensation from paper machines, manufacturing plants and all their heating apparatus, ordered 85 machines. Another big corporation ordered one machine for a test and finding that our claims were true, after a thorough two months' trial, ordered twelve more.

Farnsworth machines are of rigid, sound manufacture, are automatic and simple in construction. Write for our folder at once, to Farnsworth Company, Conshohocken, Pa., or if in the Dominion, to Canadian-Farnsworth Company, Toronto, Canada. Our Engineers are at your service.

Farnsworth Repeat Orders Which Tell The Story

Abitibi Paper Co., Iroquois Falls, Canada, 17 (June 15, '18), 18 (June 30, '20).
American Can Co., New York, N. Y., 1 (Oct. 22, '19), 1 (March 17, '20).
American Woolen Co., Boston, Mass., 1 (March 4, '19), 1 (April 7, '20).
American Furniture Co., Martinsville, Va., 1 (April 15, '19), 1 (Aug. 22, '19).
Adam Scheidt Brewing Co., Norristown, Pa., 4 (July 31, '18), 1 (Nov. 14, '18), 2 (June 13, '19), 1 (Aug. 1, '19), 2 (Sept. 19, '19).
Bogota Paper & Board Co., Bogota, N. J., 12 (July 31, '19), 1 (Oct. 1, '19).
Bower, Henry, Chemical Co., Phila., Pa., 2 (July 29, '18), 2 (Aug. 24, '19).
Bethlehem Steel Corp., Bethlehem, Pa., 1 (July 5, '17), 1 (Jan. 11, '19).
Brown Company, Berlin, N. H., 3 (Nov. 11, '19), 72 (Jan. 26, '20), 10 (July 30, '20).
Dill and Collins, Phila., Pa., 1 (March 1, '18), 1 (June 17, '19), 1 (Sept. 12, '19), 1 (Feb. 18, '20).
Donnacona Paper Co., Donnacona, Quebec, 3 (May 2, '18), 6 (Dec. 30, '18), 3 (June 14, '18), 2 (March 23, '19).
Edmunds, J. M., Danville, Va., 1 (Dec. 7, '17), 4 (Sept. 26, '19).
Empire Oil Works, Oil City, Pa., 4 (Sept. 30, '18), 1 (Dec. 3, '18), 1 (Aug. 12, '19).
Fairbanks, Morse Co., London, Eng., 19 (April 24, '19), 46 (Nov. 6, '19).
Foulds, Wm., Company, Manchester, Conn., 2 (April 25, '19), 1 (Oct. 23, '19).
Falls Manufacturing Co., Oconto Falls, Wis., 4 (May 14, '18), 1 (Nov. 1, '18), 1 (Nov. 24, '19).
Franklin Sugar R. Co., Philadelphia, Pa., 1 (May 25, '17), 1 (March 13, '18), 1 (July 31, '19), 3 (Nov. 1, '19), 2 (Nov. 11, '19).
Hughes, John E. Co., Danville, Va., 1 (Sept. 23, '19), 4 (March 29, '20).
Hart Trading Co., New York City, N. Y., 2 (May 23, '17), 2 (July 16, '17), 2 (Aug. 2, '17), 19 (Oct. 26, '17), 6 (June 28, '18).
High Falls Pulp & Paper Co., Chateaugay, N. Y., 4 (June 9, '19), 2 (Oct. 1, '19), 1 (Dec. 1, '19).

Ideal Peenless Laundry, Jamestown, N. Y., 2 (Jan. 2, '19), 1 (June 21, '19).
Ironside Board Corp., Norwich, Conn., 8 (April 30, '19), 1 (June 18, '19), 8 (July 25, '19), 6 (May 15, '20).
Irene Mills, Gaffney, South Carolina, 2 (April 10, '19), 1 (May 24, '19).
Jones, H. C. Company, Conshohocken, Pa., 1 (Aug. 22, '18), 1 (Dec. 10, '19).
Keim, J. R., Philadelphia, Pa., 1 (May 21, '17), 2 (June 6, '19).
Lees, James, Sons, Company, Bridgeport, Pa., 1 (Dec. 8, '19), 1 (Dec. 22, '19).
Moore & Thompson Paper Co., Bellows Falls, Vt., 7 (Sept. 2, '19), 2 (Oct. 24, '19).
New Haven Pulp & Board Corp., New Haven, Conn., 2 (May 14, '18), 3 (Oct. 6, '18), 1 (May 28, '19), 5 (July 31, '19), 2 (May 22, '20).
New York Shipbuilding, Camden, N. J., 1 (Aug. 14, '18), 1 (Sept. 5, '18), 1 (Sept. 30, '18), 1 (Jan. 30, '19), 1 (Aug. 14, '19), 2 (Oct. 19, '19), 1 (March 17, '20).
National Paper Products, Carthage, N. Y., 9 (May 14, '19), 3 (Oct. 27, '19), 3 (Dec. 2, '19).
Simon, R. & H., Easton, Pa., 3 (July 20, '18), 1 (Oct. 28, '19).
Submarine Boat Corp., Newark, N. J., 3 (Nov. 4, '18), 1 (Nov. 14, '18), 4 (Dec. 3, '18).
Sutherland Paper Co., Kalamazoo, Mich., 4 (July 30, '19), 6 (May 8, '20).
Standard Oil Co., Bayway, N. J., 1 (Sept. 22, '19), 12 (Dec. 2, '19).
Taubel Brothers, Philadelphia, Pa., 1 (May 23, '18), 2 (July 20, '18), 1 (Aug. 13, '19), 1 (Nov. 21, '19).
Viscose Company, Roanoke, Va., 3 (May 23, '17), 3 (Aug. 10, '17), 2 (July 28, '19).
Woodstock Woolen Co., Norristown, Pa., 1 (Nov. 24, '17), 1 (May 13, '19), 1 (July 6, '20).
Wyoming Valley Knitting Mills, Plymouth, Pa., 1 (May 8, '19), 1 (Jan. 8, '20).
Williams, C. K. Co., Easton, Pa., 2 (July 29, '18), 3 (Dec. 3, '18).

*Textile Mills.

FARNSWORTH CO., Conshohocken, Pa., U. S. A.

Canadian Farnsworth Company, Toronto, Canada



A portion of Olympia Village, Pacific Mills, Columbia, S. C., where the H. Newton Marshall Company, repaired and painted 4 mills, over 600 houses, 5 churches, besides schools, stores, garages, stables, etc., etc.

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Painting Contractors

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Trust Co. of Georgia Bldg.
ATLANTA, GA.

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repaired and painted by this company are

Indian Head Mills	Cordova, Ala.
Hogansville Mfg. Co.	Hogansville, Ga.
LaGrange Mills	LaGrange, Ga.
Dunson Mills	LaGrange, Ga.
Bellwill Mills	Wilmington, N. C.
Winnsboro Mills	Winnsboro, S. C.
Wateree Mills	Camden, S. C.
Lancaster Mills	Clinton, Mass.
Lawton Mills	Plainfield, Conn.
Bay State Cotton Corp.	Lowell, Mass.

For ten years this company has specialized on Industrial Plants and Textile Mills.

The painting is carried on while the mill is in operation without interfering with the Process of Manufacture.

Recommendations and Estimates cheerfully furnished.

MI CLEANSER



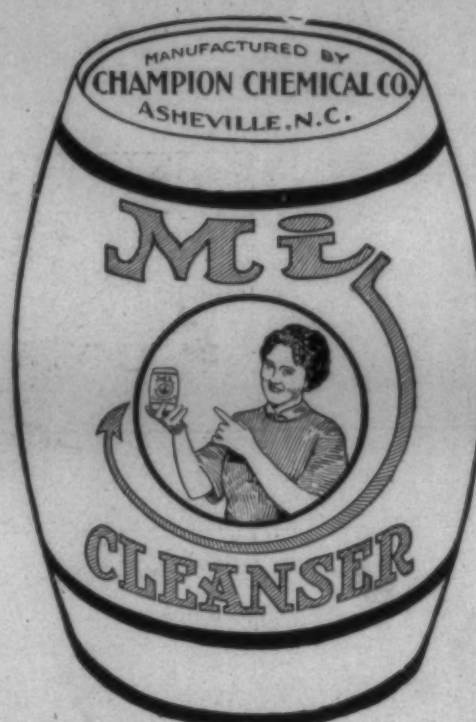
Recommendations:

The following *good mills* don't hesitate to recommend and openly praise *Mi Cleanser* for their requirements and needs.

(Read MI CLEANSER Folder)

Wiscasset Mills Company, Albemarle, N. C.
 Pelzer Manufacturing Co., Pelzer, S. C.
 Clinchfield Migr. Company, Marion, N. C.
 Monarch Mills, (Lockhart Plant), Lockhart, S. C.
 F. W. Poe Manufacturing Co., Greenville, S. C.
 Grendel Mills, Nos. 1 and 2, Greenwood, S. C.
 Consolidated Textile Corporation, (Lynchburg Division), Lynchburg, Virginia.
 Thacker Spinning Company, Chattanooga, Tenn.
 Glenwood Cotton Mills, Easley, S. C.
 The Augusta Factory, Augusta, Georgia.
 Avondale Mills, Birmingham, Alabama.
 Standard Knitting Mills, Knoxville, Tenn.
 Newnan Cotton Mills, Newnan, Georgia.
 Marion Manufacturing Company, Marion, N. C.
 The Trion Company, Trion, Georgia.
 Woodruff Cotton Mills, Woodruff, S. C.
 Equinox Mills, Anderson, S. C.
 Gibson Mfg. Company, Concord, N. C.
 Baldwin Cotton Mills, Chester, S. C.
 Cowlee Mill, Eufaula, Alabama.
 Asheville Cotton Mills, Asheville, N. C.
 Cherokee Spinning Company, Knoxville, Tenn.
 Eva Jane Mills, Sylacauga, Alabama.
 Alabama Cotton Mills, Speigner, Alabama.
 Adrian Mfg. Company, Mounty Holly, N. C.
 Central Mills, Sylacauga, Alabama.
 Jackson Mills, Anderson County, Iva, S. C.
 Spray Cotton Mills, Spray, N. C.
 Sally B. Mills, Sylacauga, Alabama.
 Paola Cotton Mills, Statesville, N. C.
 Covington Mills, Covington, Georgia.
 Magnolia Textile Corporation, Magnolia, Miss.
 Elk Cotton Mills, Dalton, Georgia.
 Eatonton Cotton Mills, Eatonton, Georgia.

MI CLEANSER



And HUNDREDS of other GOOD MILLS are using and adopting *Mi Cleanser* and will recommend it later.

Mi Cleanser the perfected non-soluble cleaning, polishing, scouring and scrubbing powder—4-in-1

Manufactured Exclusively for Textile Mill Floors

GOOD as the BEST and then SOME

MI-CLEANSER will CLEAN everything that any other cleanser will clean and THEN CLEAN the OTHER CLEANSER. ¶ This RECOMMENDATION list is just a few of choice customers; they are no babies either, but are full GROWN and MATURED, they represent some eighteen million dollars, one and a quarter million spindles, twenty-three thousand looms, and a thousand knitting machines.

Where there is this much *smoke*, *fire* must be somewhere—it is in the *merits of Mi Cleanser*.

We *know* and *you* will be *convinced* too if *you* will but try *Mi Cleanser*.

Satisfaction guaranteed or no Charge.

MI-CLEANSER will clean and not destroy anything. For Wooden Floors it has no equal, does not Cut, make Rough, or cause Splinters, takes off all kinds of Oil, Grease and Dirt, and leaves the floors Clean and White. Absolutely does not leave any Scum, Slick or Slippery surface.

DIRECTIONS IMPORTANT

but very simple.

They are inclosed in top, also pasted on outside of the barrel, and if adhered to Strictly we shall have no doubt of the results obtained.

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Trade Mark Reg. U.S. Pat. Off.

"Cleanliness is next to Godliness"

Clean your floors twice each week for your health's sake. *Mi Cleanser* makes them sanitary and healthful.

DON'T WAIT for our salesmen—we have none. You are saved this annoyance, expense, loss of time, etc., but you reap the benefit in price when you buy MI CLEANSER.

Your Mill Supply House will furnish you, or order direct from the factory.

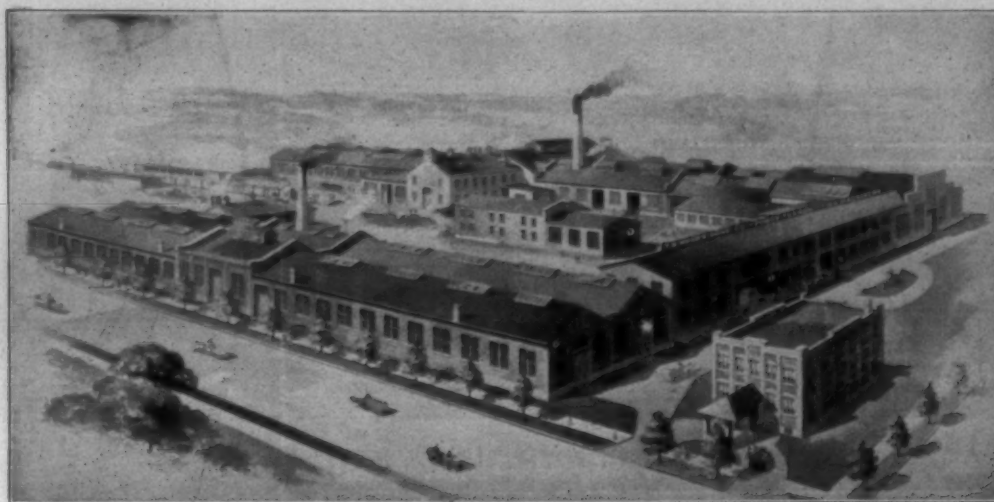
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T. B. WOOD'S SONS CO.

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Power Transmitting Machinery.*

*announce the appointment
of
MR. MILTON G. SMITH
as
Southern Sales Agent
with offices at Greenville, S. C.*

Mr. Smith is particularly well prepared to fill this position, having for many years been connected with the well known Mill Architects and Engineers, J. E. Sirrine & Co. and in later years with Jones & Laughlin Company as special representative for their Power Transmission Machinery Department.

With our enlarged plant and modern equipment we are better than ever able to take care of your POWER TRANSMISSION NEEDS.



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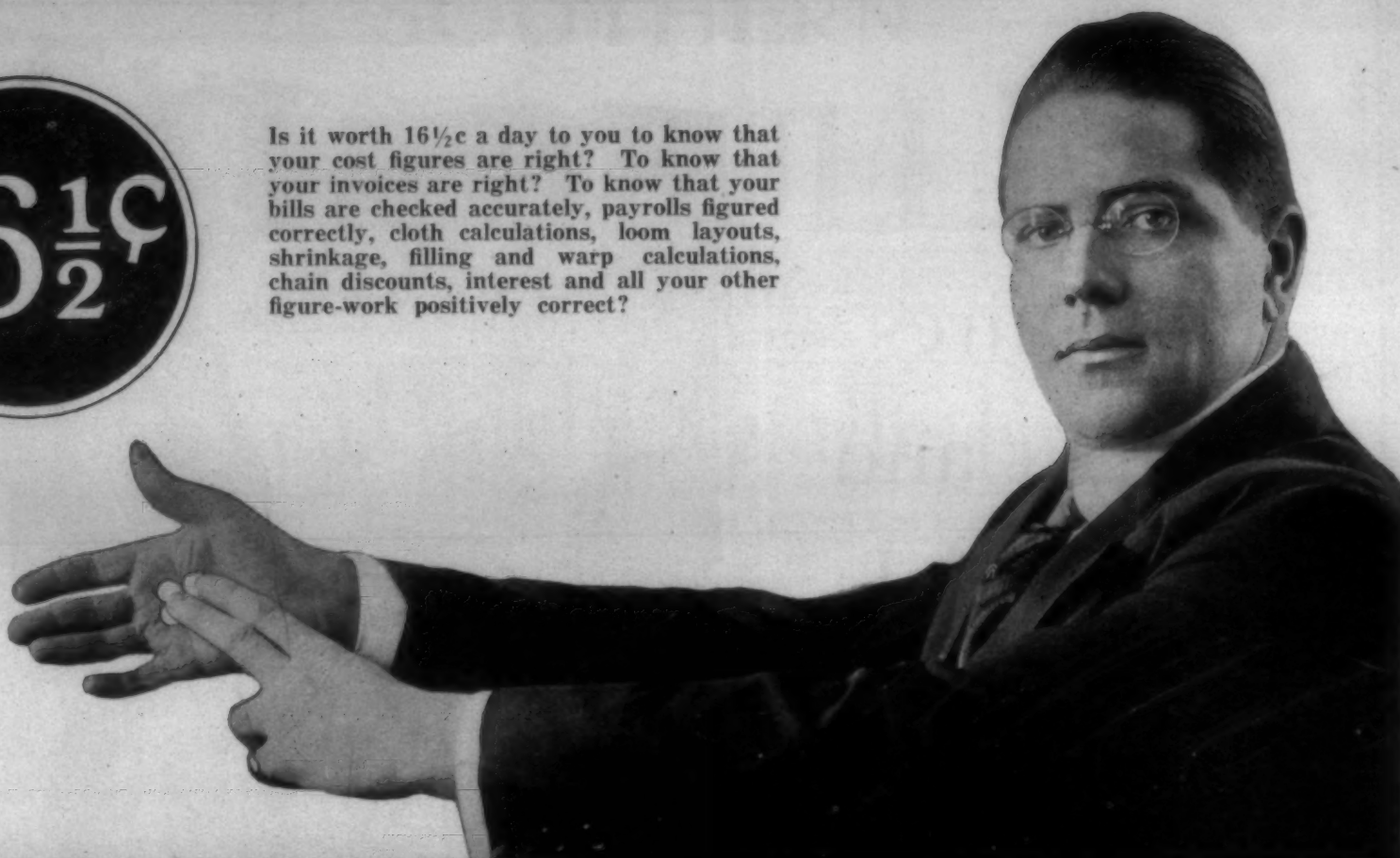
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16 $\frac{1}{2}$ ¢

Is it worth 16 $\frac{1}{2}$ c a day to you to know that your cost figures are right? To know that your invoices are right? To know that your bills are checked accurately, payrolls figured correctly, cloth calculations, loom layouts, shrinkage, filling and warp calculations, chain discounts, interest and all your other figure-work positively correct?



Is Accuracy Worth This Much to You?

At a maximum cost of 16 $\frac{1}{2}$ cents a day the Monroe Calculating Machine will do all your figure work for you. It will not only do your adding but multiplies, divides and subtracts as easily as other machines add. Surely 16 $\frac{1}{2}$ cents a day is a negligible cost when you measure the value of the Monroe in terms of accurate figure work, the elimination of costly errors, and the extra time it gives your employees for other work.

The explanation of the Monroe is simple. It finds the answer by the simple method—direct from problem to result. That is why, even with an inexperienced operator, the Monroe outfigures other calculating machines. That is why you can actually multiply and divide on the Monroe at the same time, in one action—by a few easy turns

of the crank. A constant visual proof of accuracy is always before you on the Monroe. Every factor of your problem is shown either on the Monroe keyboard or in the Monroe proof dials. On the Monroe you can see as you go that your answer is correct.

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Mr. C. E. Dechant,
District Manager, will
be in charge.



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Without obligating us (check item desired.)
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She
Requires
Bright and
Cheerful
Surround-
ings



The female operative is by no means a new factor in the mill. But today there are more of them. Many have never worked before. These women must be given bright and cheerful workrooms. The first requisite is **Light**. This can be had in abundance by painting the walls and ceilings with

INTENSIFIES
CHAFFEE'S MILL WHITE
DAYLIGHT

This sparkling white paint will flood every room with daylight, cleanliness and cheer. It gives a permanent, white, enamel-like surface that saves repainting costs, as it can be easily washed. It is elastic and will not chip or scale off. The interior of hundreds of plants throughout the country have been painted with Chaffee's Sparkling Mill White. Why don't YOU investigate?

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SOUTHERN TEXTILE BULLETIN

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH ST., CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR
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VOL. XX.

CHARLOTTE, N. C., THURSDAY, OCTOBER 14, 1920

NUMBER 7

Exhibits at Fourth Textile Exposition

The Fourth Southern Textile Exposition promises to be the largest display of textile machinery and supplies ever held in the South. More than 200 firms will be represented among the exhibits and will cover the entire industry. It is also expected that the attendance will be larger than ever before and in order that visitors may get an idea of what they will see a detail of the exhibits is given on this and following pages. Those who expect to attend will find the time well spent to read over these details of exhibits as they will find them of an instructive nature and enable them to get the most out of the Exposition.

Of course it is impossible to outline each exhibit and those of especial interest and which are typical of the entire show are being described.

Allen Spindle Corporation plans to exhibit at Spaces Nos. 333-334, second floor, a complete line of Allen Ball Bearing Twister Spindles and their component parts. The fact that they have brought out a highly scientific type of spindle and that there is over eight years' practical experience in back of this patented design of anti-friction spindle, should attract attention in their exhibit. A new booklet entitled, "Would Increased Production From Twisting Frames Be of Value?" will be distributed to mill men operating ring twisters. The exhibit will be in charge of Elliott A. Allen and Elwin H. Rooney, sales manager, assisted by Mr. G. G. Slaughter. Mr. Slaughter is the head of the G. G. Slaughter Machinery Company of Greenville, S. C., who are specializing in textile machinery and power plant equipment and who are their authorized Southern representatives.

Allis - Chalmers Manufacturing Company will exhibit in space numbers 239 and 240, located on the second floor of the building and expect to have on exhibit two loom motors, one spinning frame motor and one centrifugal pump. They will have for distribution literature describing several kinds of machinery they manufacture applicable to the textile industry. They will have several large framed photographs of complete hydro-electric power plants which should interest the visitors as the company is the only one in position to supply the com-

plete machinery equipment of such a plant. The exhibit will be in charge of Mr. William Parker, sales engineer, of the Atlanta district office, and he will have with him Mr. C. W. Steen, special textile engineer, from the Cincinnati, Ohio, factory. Other representatives that will be in Greenville during the exposition to meet customers and friends will be: Mr. W. D. Taulman, sales engineer, Atlanta office; Mr. J. C. Collier, sales engineer, Atlanta office; Mr. Wm. W. Moore, sales engineer, Charlotte office; Mr. H. W. Janssen, sales engineer, Philadelphia office; Berrien Moore, district manager, Atlanta, Charlotte and Birmingham offices.

American Kron Scale Company will exhibit a Kron scale driven by an electric motor to show the action of the pointer every time a load is placed or removed from the platform and to show the action of the levers while loading and unloading is going on. This scale will also demonstrate that all parts in Kron scales are interchangeable, that the bearings in the platform as well as in the mechanism can be removed and replaced in a few minutes and the scale re-sealed. It will also demonstrate the Kron frictionless, non-leakable, easily adjustable lid dash pot.

American Vulcanized Fibre Company, head offices Wilmington, Delaware, will exhibit line of "Laminar" fiber mill receptacles, including seamless roving cans with rolled and metal tops, tote and doffing boxes, warehouse cars and round tapered fiber baskets. Location of exhibit at spaces 283, 284, 285 and 286. Representatives in charge, C. C. Bell, vice president, No. 12 Pearl street, Boston, Mass.; H. C. Hackett, sales manager, Wilmington, Del.

The American Laundry Machinery Company, Cincinnati, Ohio, will exhibit their well known line of machinery for the textile mill. They will occupy Booths Nos. 204 and 205. A new and exceedingly interesting feature of their display will be the American mill village laundry which has attracted the attention of all the progressive mill men. The mill village laundry has enabled the mill owners to eliminate the labor turnover to a minimum and increase the morale of the mill workers. While a welfare proposition in one sense of the word, statistics show that all

plants pay for themselves as they go along and in many cases show a nice profit. The exhibit will also contain numerous other items of decided importance to the textile mill. Mr. H. G. Mayer of Charlotte, N. C., and Mr. W. S. Petty will represent the American Laundry Machinery Company at their exhibit and furnish full information to interested parties on the American mill village laundry and American textile machinery.

The Bahnson Company, Winston-Salem, North Carolina, will exhibit the Bahnson Humidifier. As each humidifier is a complete and independent unit, the system as installed in a mill can be readily exhibited and fully understood. Two machines will be exhibited, one mounted as in a mill and in continuous operation. A second unit will be so placed as to allow the fullest possible examination by all those interested. This particular humidifier has not been exhibited at any textile show, and the fact that the Bahnson Humidifier has been purchased for the new Manomet Mills No. 4 at New Bedford, Mass., has been adopted as a standard by the Stehli Silks Corporation and purchased by a number of very large southern mills, will make the exhibit this year particularly interesting. The exhibit will be in charge of Mr. W. Smith Williams. Others who will be in attendance are Messrs. F. F. Bahnson, Joseph Williams, W. H. Sloan, G. B. Roberts, William Butler and L. G. Cadmus.

Bussman Manufacturing Company, of Atlanta, Ga., will exhibit in Space 541. Mr. F. E. Lauderbach, district manager, and Mr. W. F. Watkins will be in charge of the exhibit, which will include all types of Buss Fuses for electrical circuits, manufactured by this company at the home office in St. Louis, Mo. They will be prepared to give practical demonstration to all interested in fuses in the highest quality.

Bahan Textile Machinery Company and the **Brown St. Onge Company** will occupy Space Nos. 100-101-102-103-104-105, and will exhibit loom with Corn Rocker Bearings, and the latest and best check for looms (no leather used). Also the "Kleanol" bobbin machine of which Brown-St. Onge Company are sell-

ing agents. George F. Bahan, Wm. H. Bahan, Jr., Paul J. Bahan, of the Bahan Textile Machinery Company, and Amasa St. Onge and H. E. Maris, of the Brown-St. Onge Company, will be in attendance.

Clipper Belt Lacer Company products will be exhibited on the second floor, Booth No. 229; Mr. E. F. Mayer in charge. They will show and demonstrate the "Clipper" Belt Lacing Machine, all sizes (3 models, No. O, No. 1 "Junior" and No. 3). By actual demonstration they will show how a belt can be laced in three minutes, or less, and will allow interested people to operate the machine themselves to show that it does not require any particular skill. They will give away circulars, advertising, catalogs and sample joints or belting joined with "Clipper" Belt Lacing.

S. F. Bowser & Co., Inc., Fort Wayne, Indiana, will exhibit in Booths 342 and 343 in charge of Messrs. H. C. Carpenter and W. H. Trammell. These men will be glad to discuss any oil storage problems you may have. Do not hesitate to call upon them. The following equipment will be shown. Fig. 172—Dust-proof Shop Lubricating Outfit, equipped with Measuring Pump. For use in filling oil cans, etc. Equipped with lock. Fig. 154—Utility Lubricating Wheel Tank for distributing oils from a central station to the various small supply stations. Fig. 64—Battery Outfit for use where several grades of oils are required. All equipped with automatic emptying devices. Saves floor space. Fig. 41—Long Distance Storage Outfit. Fig. 241—Red Sentry, Curb Style Underground Storage Outfit. Fig. 7-F-3—Hand operated oil filter. For use where an oil filtering and circulating system would not be required.

Curtis & Marble Machine Company exhibit will consist of photographs and descriptive matter of their different machines, also a Projectograph that will show machines and mill scenes. The exhibit will be in charge of Mr. Edwin H. Marble, president.

Central Electric Company exhibit will consist mainly of Maxolite lighting equipment, including the Maxolite Diffuser and Maxolite R. L. M. Standard reflectors. These devices have been extensively advertised and are well known among

textile mills. The display will be so arranged as to show clearly the possibility of eliminating shadows and providing uniform illumination in weave rooms and other parts of textile mills where close operations are carried on. Trained lighting specialists will be on hand to talk over lighting problems in connection with textile mill work. They will also show Balco receptacles and plugs, Okonite wire, D. & W. fuses, four-in-one fixtures, duplexalites and other specialties for particular application around textile mills. Their spaces will be Nos. 353, 359 and 360 and the following men will be in attendance: A. L. Arenberg, manager lighting division; F. L. Warner, assistant manager lighting division; R. C. Close, assistant illuminating engineer; A. G. Smith, sales engineer.

Corn Products Refining Company exhibit consists of a display of starches, dextrines and gums made specially for the textile industry. It comprises "thin boiling" starches and "thick boiling" starches, covering a wide range of fluidities. The "thin boiling" starches were first introduced to the industry by the Corn Products Refining Company about ten years ago and owing to their efficiency in increasing production as well as insuring the desired strength and weight in the yarn, have enjoyed a constantly growing popularity among the textile manufacturers. The exhibit will be in charge of Messrs. John R. White, manager; Albert G. Smith and Harold Van Zandt, of the Southern office. Dr. W. R. Cathcart, technical director of the mill and paper division of the Corn Products Refining Company will also attend.

The Dana S. Courtney Company will occupy Spaces Nos. 144, 145 and 146. This company with headquarters at Chicopee, Mass., is one of the oldest and largest spool and bobbin manufacturers in the country. Their exhibit comprises samples of filling and warp bobbins, cardroom bobbins, twistlers and spools. For years they have made a specialty of true running warp and filling bobbins, and close gauged cardroom bobbins. Mr. A. B. Carter, of Greenville, S. C., their Southern agent, is in charge of this exhibit. The Dana S. Courtney Company has recently erected a very large and modern plant, giving them greatly increased facilities for handling their work. In addition to the finishing plant at Chicopee, Mass., they also own and operate a roughing plant at Enfield, N. H., for turning out rough bobbins. This roughing plant furnishes them with a large supply of stock and enables them to get out stock quickly for special work. In fact, they are one of the very few manufacturers who are able to furnish a bobbin direct from the log to the finished product. Mr. S. T. Packard, general manager

of the Dana S. Courtney Company, was at the exhibition during the week, taking this opportunity of renewing acquaintances with many of his Southern friends.

Charlotte Leather Belting Company will have as the outstanding feature their display of specially constructed belting for Cone Drives—Packide. This belt has made good and we are told by the textile trade that it positively enables them to build better bobbins due principally to the fact that the stretch has been eliminated. The Charlotte Leather Belting Company has recently enlarged their strapping and Leather Specialties department and have on exhibit complete sets of all kinds of straps used in textile mills. They are in position to make prompt delivery on anything in the strapping line. Their spaces at the exhibit are Nos. 209 and 210 and same is in charge of Mr. C. M. McClure, who is well known among the cotton mills of South Carolina. Having had practical experience in operating cotton mills, his knowledge of what is best suited for cotton mills has been very beneficial. He is assisted by Mr. Fred R. Cochrane. The striking growth of the Charlotte Leather Belting Company from a small local shop at Charlotte, N. C., to the fifth largest belt manufacturers in the country, with branches throughout the country and a product internationally known, is due to the fact that they have adhered to their original plan to make their product with that care and honesty of purpose which produces a uniform quality unexcelled by other makers—they call it "Clean Quality."

The Dedford Company, tanners, of Boston, Mass., will be represented by Thomas L. Chapman, manager of the Boston branch of the company. They will show a complete line of mill strapping, together with a full line of Curried Belting Leather, showing it in the rough state as it comes from the tan-yard and also as a completed product made up stretched ready for belting. They also have an interesting exhibit showing some leather that they exhibited at the St. Louis World's Fair, which was about fifteen years ago, and today is practically the same color and texture as it was at that period. They are still tanning in the old fashioned, long-time bark process and are using only the best No. 1 native Steer Hides.

Detroit Steel Products Company, of Detroit, Mich., will exhibit in Booth 258. The primary object of the exhibit to be made by the Detroit Steel Products Company, at the Fourth Southern Textile Exhibition, will be to show the large number of textile mills equipped with Fenestra Steel Sash. The second point to be stressed will be the promotion of our dual warehouse system, and the advantages this ser-

vice offers to southern mill owners. For this purpose, a large screen, 8 feet high with a center panel 6 feet wide and two side panels 3 feet wide, is being made. The center panel will show a large map of the southeast section, and will give the location of our warehouses—one at Birmingham, Ala., and one at Charlotte, N. C. "Every dot a Fenestrated Textile Mill" is a self-explanatory slogan, and the "dots" will indicate the location of the many Fenestra mill jobs. The two side panels will be devoted to a display of photographs of modern textile mills located in both the north and south. This screen will be worked up in bold poster style, strong in color, and should prove to be a strong attention getter. In addition to the screen, a demonstration unit of sash, together with small samples, showing the finer points of steel sash construction, will be displayed. A sign, Fenestra Windowalls, large enough to reach clear across the booth and several card signs will complete the display. A very interesting book, "Windowalls—Their Cost and Their Advantages," will be distributed together with other suitable literature.

A. J. Campbell, of Birmingham, Ala., their director of Southern agencies, and J. Mac. Rabb, our Greenville representative, will be in charge of the exhibit.

Diamond State Fiber Company will occupy booths 215, 216 and 217, and will have on exhibition all the fiber receptacles that they standardize and which are suitable for textile purpose. Also a number of specialties made from Diamond Fibre, such as gears, bobbin heads, spool heads and other articles particularly adapted for the textile use. The exhibition will be in charge of Mr. A. M. Fraser of Greenville, S. C., and Mr. C. S. Pressel, in charge of the Mill Supply Department, in the main office, will be on hand to give him assistance.

Draper Corporation's exhibit will be in charge of their selling department, and represented by Mr. B. H. Bristow Draper, assistant agent of the Corporation, of Hopedale, and Southern representative, Mr. F. E. Forster, of Atlanta, Ga., with other men in his department. They expect to show four Northrop looms in operation. They will all be motor driven, one running on standard narrow sheeting, one on dobby weave, one on standard denim and one on medium weight duck. They will exhibit in addition various loom appliances, and also spinning and twister spindles, several patterns of patent spooler guides, loom temples, shuttles, bobbins, etc.

The H. K. Ferguson Company will have space No. 292. The exhibit will consist of a scale model

of their Standard No. 3 building, enlarged photographs showing different types of their Standard Buildings, also a number of commercial size photographs, catalogues, and advertising literature. The exhibit will be in charge of E. D. Stearns, sales manager; L. H. Butler, advertising manager, both of the Cleveland office, and Major R. W. Alger, manager of Southern Department, Atlanta.

Felt & Tarrant Manufacturing Company, of Chicago, will have an interesting exhibit of Mechanical Calculating at the Comptometer Booth 175-176 on the main floor, where the latest model of the Comptometer will be shown and demonstrated under the direction of Walter E. Sloan, of Charlotte, N. C. Special attention will be given to demonstration of the practical application of the machine to cotton mill accounting. Visitors are invited to submit problems of their own and thus obtain exact ideas of the value of the machine for their own particular kind of work.

The Graton & Knight Manufacturing Company will have a complete set of belting transmission drives of all descriptions as are found in all textile mills. They will have all these different classes of drives mounted in their frame work driven by a small motor and all actual belts will be used. Their exhibit will be in a combined booth with the Carolina Supply Company and besides this exhibit referred to, they will have samples of all classes of belting and leather products on exhibition. Mr. Wilkins Cagle, representative for that particular territory, will be in charge.

Graver Corporation has been allotted Space No. 533, located in the balcony of the Exposition building. Mr. I. Birner, Cincinnati, District Manager of the Graver Corporation, and Mr. J. J. Felsecker of the home office will have charge of the exhibit. The exhibit will consist of photographs of Zeolite Water Softener installations and water filtration plants. They will also have an operating model of a Zeolite Water Softener, which will reduce the hardness of the Greenville City water to zero, or in other words, reducing it to such a degree that there will be no more hardness left in the water. Zeolite softened water has many advantages over ordinary hard water in the textile industry. In all cases where raw water is used, it is first necessary to soften this water with soap inasmuch as the soap reacts with the hardening salts, forming a soap curd. After this softening process has taken place, then only is the soap effective for the cleansing process. By this method water is softened at a cost of approximately \$2.70 per 1,000 gallons. The same amount of water softened by the Zeolite wa-

DOBBINS SOAP MFG. CO.

PHILADELPHIA

For Over Half a Century Makers of High Grade Soaps and Scouring Materials for Textile Manufactures. Dobbin's Cotton Softener a Specialty

Statement of the Condition of
American Trust Company

MEMBER FEDERAL RESERVE SYSTEM

CHARLOTTE, N. C.

At Close of Business September 8, 1920.

(Condensed from Report to the Federal Reserve Bank of Richmond, Virginia and North Carolina State Banking Commission.)

RESOURCES

Loans	\$ 9,587,299.85
U. S. Liberty Bonds and War Savings Stamps	216,774.54
Stock Federal Reserve Bank of Richmond, Va.	42,750.00
All other Stocks and Bonds	78,550.00
Customers Liability on Acceptances	100,000.00
Cash in Vault and in Banks	2,845,565.09
 Total	 \$12,870,939.48

LIABILITIES

Capital Stock	\$ 1,218,900.00
Surplus and Undivided Profits	593,672.61
Notes Rediscounted	665,000.00
Acceptances sold on Open Market	100,000.00
DEPOSITS	10,293,366.87
 Total	 \$12,870,939.48

TRUST DEPARTMENT

Funds held in Trust	\$ 23,013.79
Property held in Trust (not included in above statement):	
Mortgage Notes and Bonds	597,862.89
Other Securities	740,487.54
Real Estate	136,829.16
Personal Property	1,449.00
	\$ 1,499,642.38

An intimate knowledge of the requirements of the Textile Industry in the Carolinas, and the personal attention from officers especially qualified, enable us to accomodate manufacturers at all times in every reasonable way.

AMERICAN TRUST COMPANY

Member Federal Reserve System

Resources More Than \$12,000,000.00

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T. E. Hemby, Vice-President
 George Stephens, Vice-President
 W. S. Lee, Vice-President
 John G. Nichols, Vice-President
 M. A. Turner, Vice-President

J. E. Davis, Secretary and Treasurer
 H. L. Davenport, Assistant Sec'y-Treas.
 R. D. Hawkins, Assistant Sec'y-Treas.
 P. C. Whitlock, Trus Officer
 John Fox, Assistant Trust Officer

ter softener will cost approximately 4½ cents. Furthermore, in softening water with the soap, a soap curd is formed which is very harmful in the dyeing process. This curd becomes immeshed in the fibre of the goods and when heat is applied turns yellow. This also causes bad spots in the color of the goods. Water softened by the Zeolite process is sparkling clear and carries no suspended matter and the result is a perfect color is obtained in the dyeing process.

The Greenville Belting Company will occupy Spaces Nos. 369 and 370, and their exhibit will consist of a complete line of finished leather belting and leather specialties, such as they manufacture. They will also have hides in the rough showing the different processes through which the leather has to pass before it is made into finished products. The booth will be in charge of M. C. Sanders and other members of the office and factory force throughout the week.

Hopedale Manufacturing Company will exhibit three models of the new Nordray automatic looms, weaving three styles of goods. Also a loom of another make with their automatic attachments showing the advantage of applying such attachments to old looms now in use. The three new model looms are of different widths and of different equipment, being samples of looms now actually running on similar goods in Southern mills. They will show the Nordray battery, Nordray warp stop motion, Nordray feeler and Nordray temples, together with their improved loom take-up, loom cut motion, loom let-off, clutch pulley, etc.

J. S. Hulme, of Atlanta, Southern representative for a number of mill specialty houses, will occupy Spaces 54 to 57 inclusive. Showing in these booths will be the Borromite Company of America, manufacturers of water softening systems. The Economy Baler Company, manufacturers of presses, and the Mechanical Appliance Company, of Wilwaukee, Wis., manufacturers of the Watson Motors. Mr. J. D. Stover, sales manager of the Borromite Company, and Mr. W. B. Crabtree, sales manager of the Mechanical Appliance Company, will be down during the Exposition and there will be an exhibit of a water softening apparatus and also motors running. The Economy Baler Company will not have a machine operating, as these machines are already operating in so many mills that it is unnecessary. Mr. J. S. Hulme will of course be in attendance.

Hunter Manufacturing and Commission Company will occupy Sections 374, 375 and 376. The exhibit will be officially in charge of Mr. A. Culberson, Jr., manufacturing specialist, who is located at Greenville. Mr. Culberson will be assisted by others from the New York office, probably Mr. R. F. Bowe. They plan to have an attractive meeting place for their friends and will offer "Kool Kosy Korner" for those who have any matters to discuss.

Huntington & Guerry will occupy spaces 63-4-5-6-7-8 and will consist of a display by means of photographs and otherwise of the distinctive features of Huntington & Guerry "Trouble-Proof" electrical installations for cotton mills and cotton mill villages. Their repair department will also have a display of repair work to all types of electrical machinery such as motors, generators, transformers, etc., and detailed exhibit of those points which count especially strongly in permanent and satisfactory repair work. In general the exhibit will

The Attractive Mill Village

is an important factor in securing labor.

THE tendency of the times is toward beauty—and it is universal. Formerly it was characteristic of the wealthy. Now it has found its way into the homes of all classes. The attractiveness of the home, its surroundings and the village as a whole, will play an important part in your labor problems of the future.

The interest of the mill demands *lasting qualities* in the construction of homes for its operatives.

Human nature demands *convenience* of arrangement.

Comfort is the inherent right of every human being.

Strictest *economy* at a time of high costs is highly essential in all construction.

All These—Beauty, Durability, Convenience, Comfort, Economy

are the principal features of

QUICKBILT BUNGALOWS

Snug, attractive, well-planned, artistic, roomy little bungalows especially designed for attractive, industrial villages.

Built after the practical, thoroughly-proven Patented Garner Locking System, by which all sleepers, joists, panels, plates, rafters, etc., lock securely into each other, forming a type of substantial home that cannot easily be damaged and which will neither give, bend, crack, pucker nor warp, even under the greatest strain. Especially designed for the homes of bosses or operatives. The doubly secure process of erection warrants comfort, even in extremes of hot or cold weather.

QUICKBILT Bungalows are the most economical homes possible. They are made in large quantities according to patented methods in a systematic manner by a plant which covers the entire operation from the forest to the finished house. As a result with every short cut to perfection and economy afforded the cost of manufacture is cut in half and all extra middle-men's profits and commissions are avoided. They are sold direct to you from the forest.

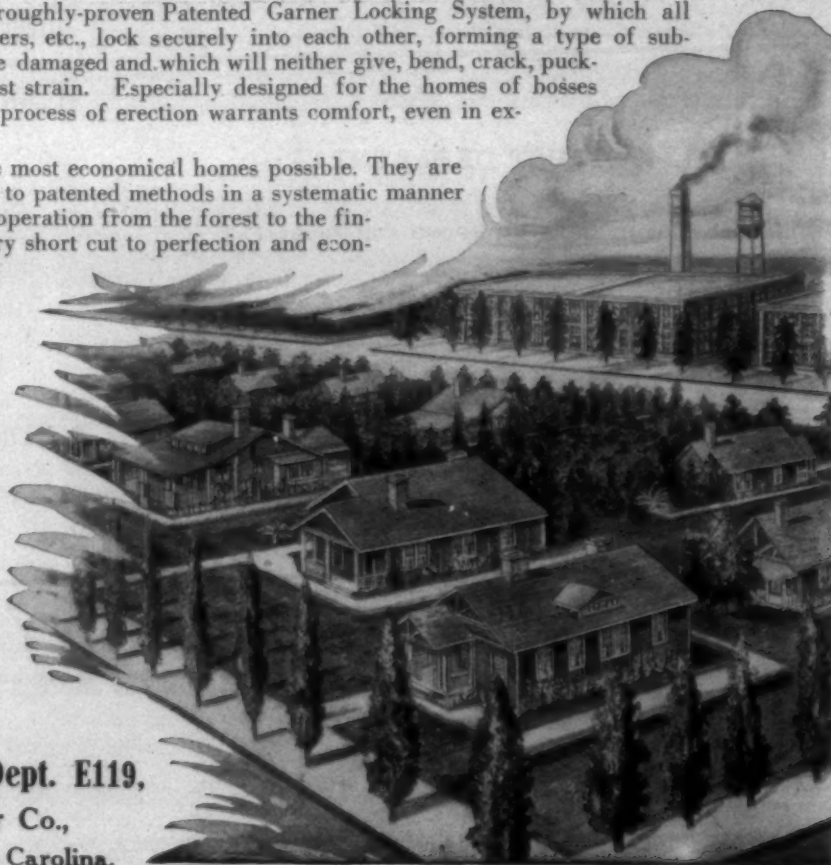
Arriving already built with nothing left but the erection, the labor usually necessary for construction is reduced to a minimum. There will be no piles of waste lumber left. Every waste in material, time, labor and money is avoided.

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**You are cordially invited to visit our Exhibit,
First Floor, Southern Textile Exposition.**

be in charge of Messrs. Huntington, Guerry, McCabe, of whom one or all will be present throughout the Exposition. Messrs. Carl A. Boy and Vaughn will give special attention to the repair department features during the Exposition. It will be their aim to make their place a comfortable meeting and resting place for friends and all are invited to meet and become acquainted with the features of their work.

Hussong Dyeing Machine Company exhibit at the Southern Textile Exposition will occupy Spaces 155-56 and 57. J. H. Thompson will be in charge, assisted by W. J. McElmoyl. They will exhibit a Hussong combination machine equipped with carrier for skein yarn dyeing and bleaching, and cage for raw stock, stripping, chroming, washing and dyeing. This machine will be of 15 lbs. capacity, will be electrically driven, and will be loaded with skein yarn so that those interested can gather a definite understanding of the circulation of the liquor as it completes its cycle of flow in both directions. The machine will have transparent sides, affording every opportunity to study the effect of the circulation on the skeins within, how they are lifted off the hangers with the flow of the liquor, how the interstices are filled with the mass of skeins, preventing channels, and how a perfectly even temperature throughout the bath is maintained. They will also exhibit in the same spaces in the name of the National Flue Cleaner Company, which is owned and controlled by them, a model of the National Soot Blower. This blower which has been on the market for several years has many features over other mechanical devices for the purpose, all of which they will be glad to describe.

Hyatt Roller Bearing Company, of New York, will have Spaces Nos. 279, 280, 281 and 282, on the second floor on the main isle, and expect to have a very instructive and attractive exhibit. The educational features of the exhibit will be divided into two main parts. One part dealing with the application of Hyatt Bearings to power transmission in textile mills, and the other dealing with the use of roller bearings in the machinery connected with the manufacture of cotton textiles. With regard to power transmission equipment, they will have a very complete set of samples of lineshaft bearings and hangers. A great deal of data will be on hand regarding the investment features which their power transmission equipment offer. Several of their best power transmission engineers will be present to go into these matters to the satisfaction of interested mill men. There will be complete lists of installations, many of which can be seen in the Southern district, containing full information about dealers in this territory. With regard to the use of Hyatt Bearings on textile machinery, they will have several engineers who specialize in this field, present, and they will be equipped with enough data and samples to go into the bearing design and construction of looms, pickers, cards and spindles, and all

the other different textile machines. Lists of installations with performance data will be available, they will have on exhibition samples of replacement bearing boxes equipped with Hyatt Bearings for the different classes of machine. The central feature of the exhibit will be the Hyatt Bearing pillow block in operation with the housing cut away to show the functioning of the

various parts. This will assist very materially in giving the visitor a clear insight into the reasons for the economies which this type of bearing will effect. The booth will be comfortably and attractively arranged so that guests may have the comfort and privacy to rest there in their course through the exhibition and to discuss as they may wish their own problems with regard to

power transmission and machinery with the specializing engineers.

Ideal Stencil Machine Company, of Belleville, Ill., will exhibit their Ideal Stencil Cutting Machines and shipping room equipment at the Fourth Southern Textile Exposition in Booth 291, second floor. There will be various sizes of machines displayed which cut sizes



THE KRON IN A PROMINENT SOUTHERN TEXTILE MILL

Automatic Weighing

Save TIME—LABOR—MONEY by installing

"Load and Look"

KRON SCALES

MADE IN U. S. A.

AUTOMATIC

All Metal Construction

SPRINGLESS

There's a Kron For Every Weighing Purpose

ALL TYPES—ANY CAPACITY. Dormant or Portable, Hanging Pan Types—Overhead Track Scales—Suspension Crane Scales, etc.

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14 Walker Street

ATLANTA, Georgia

WILL BE AT THE

TEXTILE SHOW, GREENVILLE, S. C.

Spaces 305, 306, 307

We are HEADQUARTERS for

Hand Trucks of all Kinds

—ALSO—

Signode System of Baling Ties
Signode System of Nailless Box Strapping
Cowan Transveyors and Electric Trucks
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Cement Coated Nails
Waterproof Papers and Slasher Gummed Tape

Bradley Stencil Cutting Machines
Revolvator Tiering Machines
Fibre Roving Cans and Trucks
All kinds of Scales
Chicago Watchman's Clocks
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Inspecting	Shearing	Spreading	Folding
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Calender Rolling	Stamping	Trade Marking	

Curtis & Marble Machine Company

Cloth Room and Packaging Machinery

Worcester, Mass.

Southern Representative

G. G. SLAUGHTER MACHINERY CO.

Greenville, S. C.

suitable for all shippers. Ideal Stencil Cutting Machines with their exclusive features such as visible cutting, parallel lines, automatic paper return and automatic spacer, as well as having a positive feed action, increase accuracy as well as efficiency in every shipping room, insuring perfect marking which means prompt and safe deliveries as well as saving time and trouble. There will also be demonstrated Ideal Filing systems for filing stencils, and also complete shipping room equipment. An invitation is extended to all callers to see the Ideal in operation and ask for a demonstration and a stencil cut of their firm name, which will display the work done on the Ideal and will enable them to see there is nothing equal to the Ideal. Mr. B. L. Sronce, who represents the Ideal Stencil Machine in the territories of North and South Carolina, will be in charge of the exhibit the entire week. It is also expected that J. W. Marsh, general sales manager of the Ideal Stencil Machine Company, will be present for a few days during the week.

The Greist Manufacturing Company, New Haven, Conn., will exhibit in Booth 530, which will be in charge of L. B. Fraser, works manager; W. T. Palmer, advertising and sales manager, and F. W. Boyd. The exhibit will include Loom Drop Wires (formerly Woodbury Drop Wires), made of special Heddle Wire; "Satin Finish," an exclusive process. Also Greist superior finish, single flange spinning rings, made with a high degree of accuracy, and

hardened as hard as it is possible to make steel. Used and endorsed by leading textile mills throughout the country.

Judson Mills, of Greenville, S. C., have Spaces Nos. 409, 411 and 413, in the Mezzanine Gallery. Their exhibit will consist of a showing of several latest patterns of ladies' dress goods. This is one of the few mills of the South that are manufacturing silk stripe voiles and silk plaid voiles. This exhibit should be of special interest to the people of this section, since it has been only for the past few years that the manufacture of fine goods has been undertaken in the South, while now the Southern fine goods' mills compete favorably with mills in any part of the world. A cordial invitation is extended to all who are interested. Visit this exhibit and convince yourself that goods "Made in Greenville, S. C.," are as good as those made anywhere else in the world.

Link-Belt Company exhibit at the Greenville Textile Exposition will consist of a Silent Chain Motor drive in actual operation. Samples of Silent Chain and parts and literature appropriate to the occasion will be distributed. Their space will occupy Nos. 112, 113 and 114. Mr. J. S. Cothran, Charlotte representative, and possibly Mr. H. D. Mitchell, of the Philadelphia plant, will be in attendance.

The Lovingood Company, of Atlanta, factories branch for shipping room supplies, will exhibit in Spaces 305-6-7 at the textile show. The

Lovingood representation will include: Signode System, Inc., Chicago; Steel & Wire Products Co., Pittsburg; Bradley Stencil Machine Co., St. Louis; Gallant Henning Mfg. Co. (Baling Presses), Milwaukee; Rexford Paper Co., Milwaukee; McKinney Mfg. Co. (Truck Division), Pittsburg; Davenport Mfg. Co., Davenport, Iowa; Revolver Co., Jersey City, N. J.; Chicago Watchman's Clock Works, Chicago, Ill. Mr. J. A. Greer, secretary-treasurer, will be in charge, Mr. R. D. Livingston, sales manager of Signode System, Mr. W. P. Scureman, vice-president of the Bradley Stencil Machine Co., Mr. Chas. E. Lowder, sales manager of the McKinney Mfg. Co. (Truck Division), will be present. Mr. Alvin Lovingood will also be present a portion of the time at least. Mr. Harry M. Satterfield, who covers North and South Carolina for this company, will be on hand shaking hands with his friends. It is their purpose to have one of the most complete exhibitions of modern labor saving devices of the shipping room and factory supplies that has ever been shown at the Textile Exhibition.

The Lunkenheimer Company, of Cincinnati has an attractive, interesting and complete exhibit in Spaces Nos. 211 and 212. It is worth any one's time to stop and carefully observe the various articles on display. Users of Lunkenheimer products are acquainted with the excellent service obtainable from their use, but they will undoubtedly find new articles on exhibit about which they may wish to inquire as to ap-

plication, construction and design. The exhibit is in charge of Mr. Harry A. Burdorf of the general sales department at Cincinnati and Mr. James R. Anderson, sales manager of the Southern district. These men are well versed in engineering matters and are, therefore, in a position to give inquirers good, practical and intelligent information. Among other items on exhibit, which are interesting, will be found a complete line of oil cups, grease cups, lubricators, oil pumps and similar engineering appliances.

The Minter Homes Company, of Greenville, manufacturers of "Fabricated" houses, will exhibit a five room "Fabricated" house at the coming Exposition, showing the method of construction from the foundation to the finish room. Parts of this house will be shown in course of construction so as to give the public an idea of what is meant by a "Fabricated" house, illustrating in detail the method of manufacture and erection. These "Fabricated" houses greatly reduce the cost of building—versus labor and material, time of completion and quickness of operation, and the evolutionized method of construction of the "Fabricated" house is the result of years of constant study and experiment, which now has reached the stage of perfection, and has proven itself a saving to the purchaser. These "Fabricated" houses are not classed with the many products of imitation that are backed only by a beautifully lithographed catalogue, but to the contrary the Minter "Fabricated" house

DEFORD CHECK STRAPS

MADE FROM

NUMBER ONE BELT STOCK

MILL STRAPPING OF ALL KINDS

DISTRIBUTED BY

LEADING JOBBING HOUSES THROUGHOUT THE U. S.

THE DEFORD CO.,

Space No. 540—Fourth Southern Textile Exposition

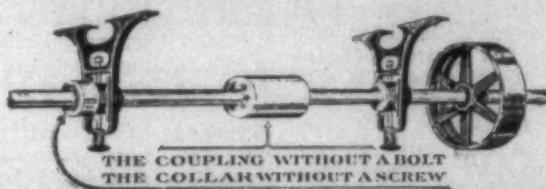
BALTIMORE

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SAFETY SHAFT COUPLING



THE COUPLING WITHOUT A BOLT
THE COLLAR WITHOUT A SCREW

CONSTRUCTION—SIMPLY TWO SETS OF ROLLERS IN ECCENTRIC CHAMBERS
THE GREATER THE POWER THE TIGHTER THEY GRIP

INSTALLATION IMMEDIATE

Put on in 5 minutes
Regardless size of shaft



Neat in Appearance
Reduces Liabilities
Perfect Alignment
Positive Grip
Made in all sizes
Guaranteed

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Safety First Manufacturing Co.,

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The Richards-Hinds Light Running Roll For Spinning Frames

Over 125,000 Spindles Equipped to Date

GUARANTEED CLAIMS

No Cockley Yarn

Better Spinning

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One-Third of the First
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Especially Adapted to Cotton Carding Room
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Slubbers and Intermediate Roving 25 to 33% More
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ALL MACHINE BUILDERS ARE AGENTS and will quote prices for new work

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The Metallic Drawing Roll Co.

Indian Orchard, Mass.

is backed by an organization consisting of the best housing engineers in the country. The exhibit at the Exposition will be in charge of the Chief Engineer, Thomas Nilson, assisted by H. V. Grothe, and a staff of competent representatives, who will explain all details pertaining to "Minter Homes" for the convenience of patrons to the Exposition. The exhibit will be found on the second floor of the Auditorium on the stage.

Monarch Bobbin Cleaner Company of Union, S. C., will have an exhibit which attracted universal attention at the last Southern Textile Exposition. It was a machine for cleaning roving bobbins. Simple in construction, easy to operate, this machine prevents the cutting or damaging of the bobbins by the use of the knife, and enables spinners to run from ten to fifteen per cent more machinery. This machine created so much interest that orders for more than one hundred machines resulted. They will have an exhibit this year at the Southern Textile Exposition, and will occupy Spaces 349, 350 and 351, on the second floor.

Their exhibit this year will be in charge of Mr. Milton G. Smith, sales manager, and Mr. A. L. Stutts, demonstrator. They will have a machine in operation, and will be glad to show those interested this simple, efficient and labor saving machine for the spinning room.

The Monroe Calculating Machine Company will exhibit at Booths Nos. 531 and 532. These booths will be in charge of Mr. C. E. Dechant, district manager for the Carolinas, and Mr. E. V. Patten, of Columbia, S. C. These gentlemen will be present at the booths continuously and will be pleased to have all attendants at the Convention make it a point to see a demonstration of the Monroe on the kind of work which they have in their own offices. Many of the textile users of the Monroe will be present at the exposition and they are cordially invited to call at the Monroe booths to see some of the methods which have been found most advantageous in handling textile calculations. The Monroe Calculating Machine is often spoken of as the calculating machine of short-cuts because it arrives at the answer in such a direct manner, often eliminating some of the steps in figuring necessary by other means. It will be well worth the while of every attendant at the Convention to see the application of the Monroe to textile figure-work.

Morehead Manufacturing Company, Detroit, Mich., will have the following officials and representatives at the Textile Exposition: A. Fitzgerald, general manager, Detroit; R. C. Gammon, sales manager, Detroit; E. S. Player, Greenville, S. C.; Grant Estlow, Graham, N. C.; W. B. McBurney, Atlanta, Ga. A complete Morehead Back-to-Boiler System will be exhibited at Booths Nos. 255 and 256 and officials of the company will explain how this modern method of steam drainage will effect a fuel saving of 20 to 50 per cent and at the same time greatly increase the efficiency of steam heated machinery.

Morse Chain Company will have Spaces Nos. 37 and 38 at the October Show. The exhibit will be in charge of Mr. G. W. Pritchett, manager of the Charlotte office, and there will be in attendance Mr. H. E. Matthews, sales engineer from the Charlotte office; Earl F. Scott, sales engineer of the Atlanta office; A. B. Wray, general sales engineer from the factory, and Mr. V. D. Morse, sales manager. Owing to the crowded conditions of the shops at this time they will be unable to complete the interesting and instructive mechanical drive that they intended to have at this show. However, they will have on exhibit chains in operation showing application that will be interesting to the textile man. The Morse Chain Company invites all to visit their booth during the Exposition.

The New Brunswick Chemical Company will have their well-known Southern representative, Mr. Max Einstein, Space No. 545, assisted by Mr. L. L. Grombacher of the Home Office. Mr. H. Koblenzer will also try to be present. They will show at Booth No. 545 some of the products used by the Southern mill men for a number of years in their work of sizing, dyeing and finishing and will display samples of oils, especially new ones developed lately for use in the dyeing process. Most interesting will be the fact that they shall show some of the dyestuffs we are manufacturing ourselves and which have been pronounced as good as any ever imported formerly.

Portable Machinery Company will exhibit a 16" x 20" type "A" Scoop Conveyor in Spaces Nos. 249-250 at the Fourth Textile Exposition. This is a light weight portable belt conveyor designed for loading, unloading, storing, reclaiming or transferring coal or other loose material. This machine is equipped with an electric motor and Mr. E. S. Player, in charge of the exhibit, will be glad to demonstrate its time and labor saving ability to any one interested. Catalogs and other matter pertaining to material handling apparatus will be distributed at the booth. Drop around.

Puro Sanitary Drinking Fountain Company, of Haydenville, Mass., manufacturers of sanitary drinking fountains, will have exhibit at Space 253 and 254. The exhibit will be in charge of Mr. E. S. Player, who is their Southern agent. The exhibit will include a Puro water cooler with Puro fountain and the Liberty fountain. Mr. Player invites everyone attending the show to come to their booth, where they will be welcome to a cool drink served the Puro way.

Rogers Fibre Company will occupy the same spaces that they have for the last two exhibits, namely, Booths Nos. 301, 302, 303 and 304. As has been the custom in the past, the mill supply houses of the South will make their booths their headquarters during the Exposition and a cordial invitation is extended to anyone interested in textile mills to visit their booths. There will be on exhibition samples of various products manufactured by the Rogers Fibre Com-

A partial list of OUR CLIENTS

What better evidence of ability and reliability can a service organization offer, than a clientele of highly successful manufacturers? Performance must equal promises given to retain confidence year after year.

The following list is representative. Space does not permit us to print the names of the many other clients whom we serve.

Aberfoyle Manufacturing Co., Chester, Pa.	Merrimack Manufacturing Co., Huntsville, Ala.
Anchor Duck Mills, Rome, Ga.	Mollohon Manufacturing Co., Newberry, S. C.
Androscoggin Mills, Lewiston, Maine	Monadnock Mills, Claremont, N. H.
Ansonia O. & C. Co., Ansonia, Conn.	Monument Mills, Housatonic, Mass.
Aurora Cotton Mills, Aurora, Ill.	Nashua Manufacturing Co., Nashua, N. H.
Bancroft, Joseph, & Sons Co., Wilmington, Del.	National Spun Silk Co., New Bedford, Mass.
Bates Manufacturing Co., Lewiston, Maine	Naumkeag Steam Cotton Co., Salem, Mass.
Bay State Cotton Corp., Lowell, Mass.	Newberry Cotton Mills, Newberry, S. C.
Bemis Brothers Bag Co., St. Louis, Mo. also Boston, Mass.	Newmarket Manufacturing Co., Newmarket, N. H.
Blackstone Manufacturing Co., Blackstone, Mass.	New Bedford Cotton Mills Corp., New Bedford, Mass.
Boston Manufacturing Co., Waltham, Mass.	Nyanza Mills, Woonsocket, R. I.
Columbus Manufacturing Co., Columbus, Ga.	Otis Company, Ware, Mass.
Dallas Manufacturing Co., Huntsville, Ala.	Pacific Mills, Lawrence, Mass.
Dallas Cotton Mills, Dallas, Texas	Pacolet Manufacturing Co., Pacolet, S. C.
Dwight Manufacturing Co., Alabama City, Ala. also Chicopee, Mass.	Palmer Mills, Three Rivers, Mass.
Eagle & Phenix Mills, Columbus, Ga.	Pelzer Manufacturing Co., Greenville, S. C.
Grana, Antonio, Lima, Peru	Pepperell Manufacturing Co., Biddeford, Maine
Great Falls Manufacturing Co., Somersworth, N. H.	Queen City Cotton Co., Burlington, Vt.
Griffin Manufacturing Co., Griffin, Ga.	Riverside & Dan River Cotton Mills, Danville, Va.
P. H. Hanes Knitting Co., Inc., Winston-Salem, N. C.	Scranton Lace Co., Scranton, Pa.
Hankow Cotton Mill, Hankow, China	Skenandoa Cotton Co., Utica, N. Y.
Henderson Cotton Mills, Henderson, Ky.	Slatersville Finishing Co., Slatersville, R. I.
Hill Manufacturing Co., Lewiston, Maine	Soule Mills, New Bedford, Mass.
Hoosac Cotton Mills, North Adams, Mass.	Tung Yeh, Shanghai, China
Hua Hsin Mill, Tien Tsin, China	Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Indian Head Mills of Alabama, Cordova, Ala.	Utica Knitting Co., Utica, N. Y. also Sherburne, N. Y.
Lockwood Co., Waterville, Maine	Waltham Bleachery, Waltham, Mass.
Lonsdale Co., Lonsdale, R. I.	West Point Manufacturing Co., West Point, Ga.
Lu Fung Cotton Mill, Tsinan Fu, China	Winnsboro Mills, Winnsboro, S. C.
Massachusetts Mills in Georgia, Lindale, Ga.	Yu Yen Cotton Mill, Tien Tsin, China



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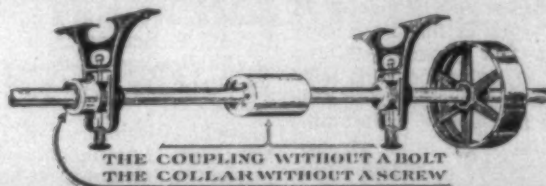
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BULL DOG



SAFETY SHAFT COUPLING



THE COUPLING WITHOUT A BOLT
THE COLLAR WITHOUT A SCREW

CONSTRUCTION—SIMPLY TWO SETS OF ROLLERS IN ECCENTRIC CHAMBERS
THE GREATER THE POWER THE TIGHTER THEY GRIP

INSTALLATION IMMEDIATE

Put on in 5 minutes
Regardless size of shaft



Neat in Appearance
Reduces Liabilities
Perfect Alignment
Positive Grip
Made in all sizes
Guaranteed

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Safety First Manufacturing Co.,

Alexandria, Va.

The Richards-Hinds Light Running Roll For Spinning Frames

Over 125,000 Spindles Equipped to Date

GUARANTEED CLAIMS

No Cockley Yarn

Better Spinning

Extra Strength

Less Waste

Greater Production

With Improved Product

Reduced Cost of
Spinning

Less Change of
Settings

One-Third of the First
Cost Saved in
Roller Bill

Also Our Line of Metallic Rolls

Especially Adapted to Cotton Carding Room
Machinery, and Applied to the
following Machines:

Sliver Laps

Ribbon Laps

Comber Draw Boxes

Detaching Rolls

Railway Heads

Drawing Frames

Slubbers and Intermediate Roving 25 to 33% More
Product Guaranteed. Weights Reduced from 33
to 50%.

ALL MACHINE BUILDERS ARE AGENTS and will quote prices for new work

For other Information, Prices, Circulars, etc Write to

The Metallic Drawing Roll Co.

Indian Orchard, Mass.

is backed by an organization consisting of the best housing engineers in the country. The exhibit at the Exposition will be in charge of the Chief Engineer, Thomas Nilsson, assisted by H. V. Grothe, and a staff of competent representatives, who will explain all details pertaining to "Minter Homes" for the convenience of patrons to the Exposition. The exhibit will be found on the second floor of the Auditorium on the stage.

Monarch Bobbin Cleaner Company of Union, S. C., will have an exhibit which attracted universal attention at the last Southern Textile Exposition. It was a machine for cleaning roving bobbins. Simple in construction, easy to operate, this machine prevents the cutting or damaging of the bobbins by the use of the knife, and enables spinners to run from ten to fifteen per cent more machinery. This machine created so much interest that orders for more than one hundred machines resulted. They will have an exhibit this year at the Southern Textile Exposition, and will occupy Spaces 349, 350 and 351, on the second floor.

Their exhibit this year will be in charge of Mr. Milton G. Smith, sales manager, and Mr. A. L. Stutts, demonstrator. They will have a machine in operation, and will be glad to show those interested this simple, efficient and labor saving machine for the spinning room.

The Monroe Calculating Machine Company will exhibit at Booths Nos. 531 and 532. These booths will be in charge of Mr. C. E. Dechant, district manager for the Carolinas, and Mr. E. V. Patten, of Columbia, S. C. These gentlemen will be present at the booths continuously and will be pleased to have all attendants at the Convention make it a point to see a demonstration of the Monroe on the kind of work which they have in their own offices. Many of the textile users of the Monroe will be present at the exposition and they are cordially invited to call at the Monroe booths to see some of the methods which have been found most advantageous in handling textile calculations. The Monroe Calculating Machine is often spoken of as the calculating machine of short-cuts because it arrives at the answer in such a direct manner, often eliminating some of the steps in figuring necessary by other means. It will be well worth the while of every attendant at the Convention to see the application of the Monroe to textile figure-work.

Morehead Manufacturing Company, Detroit, Mich., will have the following officials and representatives at the Textile Exposition: A. Fitzgerald, general manager, Detroit; R. C. Gammon, sales manager, Detroit; E. S. Player, Greenville, S. C.; Grant Estlow, Graham, N. C.; W. B. McBurney, Atlanta, Ga. A complete Morehead Back-to-Boiler System will be exhibited at Booths Nos. 255 and 256 and officials of the company will explain how this modern method of steam drainage will effect a fuel saving of 20 to 50 per cent and at the same time greatly increase the efficiency of steam heated machinery.

Morse Chain Company will have Spaces Nos. 37 and 38 at the October Show. The exhibit will be in charge of Mr. G. W. Pritchett, manager of the Charlotte office, and there will be in attendance Mr. H. E. Matthews, sales engineer from the Charlotte office; Earl F. Scott, sales engineer of the Atlanta office; A. B. Wray, general sales engineer from the factory, and Mr. V. D. Morse, sales manager. Owing to the crowded conditions of the shops at this time they will be unable to complete the interesting and instructive mechanical drive that they intended to have at this show. However, they will have on exhibit chains in operation showing application that will be interesting to the textile man. The Morse Chain Company invites all to visit their booth during the Exposition.

The New Brunswick Chemical Company will have their well-known Southern representative, Mr. Max Einstein, Space No. 545, assisted by Mr. L. L. Grombacher of the Home Office. Mr. H. Koblenzer will also try to be present. They will show at Booth No. 545 some of the products used by the Southern mill men for a number of years in their work of sizing, dyeing and finishing and will display samples of oils, especially new ones developed lately for use in the dyeing process. Most interesting will be the fact that they shall show some of the dyestuffs we are manufacturing ourselves and which have been pronounced as good as any ever imported formerly.

Portable Machinery Company will exhibit a 16" x 20" type "A" Scoop Conveyor in Spaces Nos. 249-250 at the Fourth Textile Exposition. This is a light weight portable belt conveyor designed for loading, unloading, storing, reclaiming or transferring coal or other loose material. This machine is equipped with an electric motor and Mr. E. S. Player, in charge of the exhibit, will be glad to demonstrate its time and labor saving ability to any one interested. Catalogs and other matter pertaining to material handling apparatus will be distributed at the booth. Drop around.

Puro Sanitary Drinking Fountain Company, of Haydenville, Mass., manufacturers of sanitary drinking fountains, will have exhibit at Space 253 and 254. The exhibit will be in charge of Mr. E. S. Player, who is their Southern agent. The exhibit will include a Puro water cooler with Puro fountain and the Liberty fountain. Mr. Player invites everyone attending the show to come to their booth, where they will be welcome to a cool drink served the Puro way.

Rogers Fibre Company will occupy the same spaces that they have for the last two exhibits, namely, Booths Nos. 301, 302, 303 and 304. As has been the custom in the past, the mill supply houses of the South will make their booths their headquarters during the Exposition and a cordial invitation is extended to anyone interested in textile mills to visit their booths. There will be on exhibition samples of various products manufactured by the Rogers Fibre Com-

A partial list of OUR CLIENTS

What better evidence of ability and reliability can a service organization offer, than a clientele of highly successful manufacturers? Performance must equal promises given to retain confidence year after year.

The following list is representative. Space does not permit us to print the names of the many other clients whom we serve.

Aberfoyle Manufacturing Co., Chester, Pa.	Merrimack Manufacturing Co., Huntsville, Ala.
Anchor Duck Mills, Rome, Ga.	Mollohon Manufacturing Co., Newberry, S. C.
Androscoggin Mills, Lewiston, Maine	Monadnock Mills, Claremont, N. H.
Ansonia O. & C. Co., Ansonia, Conn.	Monument Mills, Housatonic, Mass.
Aurora Cotton Mills, Aurora, Ill.	Nashua Manufacturing Co., Nashua, N. H.
Bancroft, Joseph & Sons Co., Wilmington, Del.	National Spun Silk Co., New Bedford, Mass.
Bates Manufacturing Co., Lewiston, Maine	Naumkeag Steam Cotton Co., Salem, Mass.
Bay State Cotton Corp., Lowell, Mass.	Newberry Cotton Mills, Newberry, S. C.
Bemis Brothers Bag Co., St. Louis, Mo. also Boston, Mass.	Newmarket Manufacturing Co., Newmarket, N. H.
Blackstone Manufacturing Co., Blackstone, Mass.	New Bedford Cotton Mills Corp., New Bedford, Mass.
Boston Manufacturing Co., Waltham, Mass.	Nyanza Mills, Woonsocket, R. I.
Columbus Manufacturing Co., Columbus, Ga.	Otis Company, Ware, Mass.
Dallas Manufacturing Co., Huntsville, Ala.	Pacific Mills, Lawrence, Mass.
Dallas Cotton Mills, Dallas, Texas	Pacolet Manufacturing Co., Pacolet, S. C.
Dwight Manufacturing Co., Alabama City, Ala. also Chicopee, Mass.	Palmer Mills, Three Rivers, Mass.
Eagle & Phenix Mills, Columbus, Ga.	Pelzer Manufacturing Co., Greenville, S. C.
Grana, Antonio, Lima, Peru	Pepperell Manufacturing Co., Biddeford, Maine
Great Falls Manufacturing Co., Somersworth, N. H.	Queen City Cotton Co., Burlington, Vt.
Griffin Manufacturing Co., Griffin, Ga.	Riverside & Dan River Cotton Mills, Danville, Va.
P. H. Hanes Knitting Co., Inc., Winston-Salem, N. C.	Scranton Lace Co., Scranton, Pa.
Hankow Cotton Mill, Hankow, China	Skenandoa Cotton Co., Utica, N. Y.
Henderson Cotton Mills, Henderson, Ky.	Slatersville Finishing Co., Slatersville, R. I.
Hill Manufacturing Co., Lewiston, Maine	Soule Mills, New Bedford, Mass.
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Hua Hsin Mill, Tien Tsin, China	Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.
Indian Head Mills of Alabama, Cordova, Ala.	Utica Knitting Co., Utica, N. Y. also Sherburne, N. Y.
Lockwood Co., Waterville, Maine	Waltham Bleachery, Waltham, Mass.
Lonsdale Co., Lonsdale, R. I.	West Point Manufacturing Co., West Point, Ga.
Lu Fung Cotton Mill, Tsinan Fu, China	Winnboro Mills, Winnboro, S. C.
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"UNION" WINS!



Renewed the Quickest and Easiest

If you want to see where a nice little pile of money is wasted, let your men have a "Fuse Renewal" contest. You'll find the link can be removed from a "Union" Renewable and replaced before most fuses can be taken apart.

Perhaps you'll say the difference in time isn't enough to worry about. But figure what this costs in a year at the present high wages.

Then go to your scrap heap and see the bunch of perfectly good fuses that have been thrown away simply because they were so hard to renew that the men didn't bother to replace the blown link. In some plants there is a waste big enough to add a handsome increase to the salary of every employee.

It's different with "Union" Renewables. They're so simple and easy to renew that it is no bother to replace a blown link.

Put "Union" Fuses to any competitive test you like—and we know you will use "Union" exclusively thereafter.

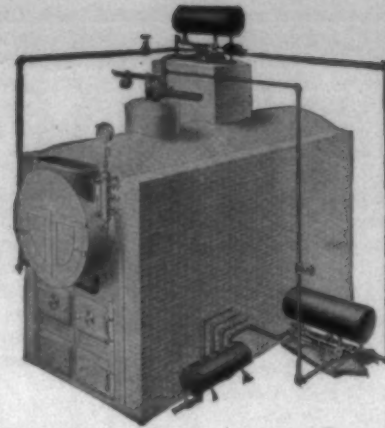
"Union" Fuses, both Renewable and Non-Renewable, for sale by all leading electrical jobbers and dealers. Free descriptive booklet sent on request.

Chicago Fuse Mfg. Co.

Oldest and Largest Manufacturers of Fuses
Electrical Protecting Materials
and Conduit Fittings.

Chicago

New York



Save 20% on Coal

Why use five tons or five cars of coal when with the Morehead Back-to-Boiler System draining your steam lines and steam heated equipment you can get the same results with four?

Scores of textile plants have not only effected big fuel savings, but have increased the efficiency of their steam heated equipment.

Here's a typical letter from a southern textile plant:

Morehead Mfg. Company,
Detroit, Mich.

Gentlemen:—

We have been using the Morehead Return Steam Traps in our boiler systems for the past year and a half, and are very much impressed with the fact that we are saving considerable fuel by doing so. The traps are working entirely satisfactory and the up-keep to the present time has amounted to virtually nothing. We cheerfully recommend the use of these traps to anyone who uses considerable steam.

*Very truly yours,
VIRGINIA COTTON MILLS,
(Signed) A. L. Baker, Pres't.*

We will gladly send you complete information regarding the Morehead Back-to-Boiler System—refer you to users in your vicinity. Write for catalog.

Morehead Manufacturing Company Detroit, Michigan

Canadian Morehead Manufacturing Company, Woodstock, Ontario



pany such as warehouse cars, dolfing cars, boxes, cans, and miscellaneous articles. The exhibition will be in charge of Mr. James L. Nienkirk and Mr. Leon B. Rogers, treasurer of the company, expects to be there to assist him as much as possible.

Safety First Manufacturing Company, of Alexandria, Va., will have Section 544, which will be in charge of Mr. R. R. King, manager. They will exhibit their Bull Dog safety shaft coupling, the coupling without a bolt, nut or screw, the Bull Dog safety set collar, the collar without a set of screw, and the Bull Dog grip pulley bushing.

Safety First Supply Company exhibit will be under the personal direction of Mr. E. S. Player, Southern representative, will consist of a pramid of Diamond Porcelain Enamel Signs. These signs are of extreme importance in the safety work of textile plants. They are manufactured of five coats of porcelain enamel, fused at 2,000 degrees heat on 18-gauge iron, and are guaranteed indefinitely against deterioration from any source whatsoever. Without question, they are the most attractive and effective signs which can be posted, and they have been adopted by the leading industrial concerns of the country, in their safety and accident prevention work. A display of Diamond All-Steel Playground Apparatus which will prove of much interest is also to be seen at this exhibit. This display shows the construction of the patented, one piece, galvan-

ized, malleable iron joint, which is an exclusive feature of the Diamond All-Steel Playground Apparatus. It also shows the construction of the swings, and other parts of this apparatus. A special feature is the Diamond Illuminated Safety Bulletin Boards equipped with electric lights and removeable beaver board backs. These bulletin boards should be in every plant, as a means of calling attention to the various plant activities, safety work, welfare notices, etc. First aid cases, respirators, goggles, machine guards, etc., make this exhibit a most complete exhibition of safety materials for the textile industry, and one which is sure to attract favorable comment and attention.

Scandinavia Belting Company, with headquarters of southern branch in Atlanta, where large stocks are carried, will have samples of belting on exhibit and will also have two spinning frames running side by side, one driven with "Scandinavia" belting, and the other with leather. In addition they will have two looms in operation, one driven with "Scandinavia" belting, the other with leather. These machines will be equipped with devices to show the greater production which can be obtained through the use of "Scandinavia" as compared with other beltings. The exhibit will be in charge of Jefferson W. Carter, southern branch manager, assisted by Mr. C. H. Cosgrave, traveling representative in Georgia and Florida, and Mr. B. H. Rampley, traveling representative in Alabama and Mississippi.

Screw Machine Products Corporation will have one of the unique features of the Southern Textile Exposition this year will be a complete Automatic Telephone system connecting all offices and departments of the Exposition building. The Screw Machine Products Corporation of Providence, Rhode Island, who manufacture the Select-O-Phone, an automatic factory telephone and man-finding system, will exhibit its complete system including its general call or man-finding apparatus, storage battery and automatic battery charging equipment. Arrangements have been made by which telephones will be installed in the offices of the Exposition management, secretary, housing committee, decorators, electricians and janitor. In addition to these and the telephone instruments operated in their exhibit Spaces 35 and 36 the Select-O-Phone people will install instruments in the booths of all publications represented and a large number of the principal exhibitors. The instruments will be so distributed that telephone service will be available free of charge to all exhibitors and visitors, for instantaneous communications with practically all exhibitors in the building as well as the officials and subordinates of the Exposition. The general call or man-finding system will be especially valuable in locating any one when their whereabouts is unknown. For instance, should an exhibitor wish to communicate with the electrician, the manager or the janitor, he can turn the Select-O-

Phone Dial to "Call," sound the signal arranged for this man which sounds on bells or horns all over the building and no matter where his man may be, he hears his call and immediately answers on the nearest telephone. Directory cards will be located at each telephone showing the name, number and call signal for each telephone station. The Select-O-Phone exhibit will be in charge of Mr. H. P. Dixon, sales engineer, Mr. H. M. Mays, treasurer and publicity manager, and Mr. P. S. Hayden, service inspector, will also be on hand.

Sherwin-Williams Company's Industrial Maintenance Service will be demonstrated at their exhibit at the Southern Textile Exposition. Their display will indicate, and their experts will show the manner in which they co-operate with their clients in securing more permanent plant painting results at a lower ratio of cost. The display will show to some extent the degree to which the Sherwin-Williams organization has specialized in the production of special protective coatings for interior and exterior surfaces of industrial plants. The most important item of their exhibit will be their Eggshell Mill White, which they will attempt to prove is the ideal light diffusing surface for the interior walls of a mill or industrial plant. Since this organization has recommended an Eggshell Mill White to the exclusion of a Gloss or Flat, this exhibit should be most interesting. They claim that their product has been perfected after years of research work, and as a

DIXIELITE

A white coating designed expressly for the walls and ceilings of factories and mills. Made in Flat, Semi-Gloss and Gloss Finish, will—



SAVE DAYLIGHT—SAVE EYESIGHT
and INCREASE DIVIDENDS due to
BETTER WORKING CONDITIONS

Manufactured Only by

WADSWORTH, HOWLAND & Co., Inc.
BOSTON, MASS.

W. A. Williams, Southern Rep.

P. O. Box 322, Greenville, S. C.



result of consultation with leading experts on illuminating engineering. The Sherwin-Williams Co. claim that S-W Eggshell Mill White gives a finish which breaks up the light rays, and diffuses them, as against the glare produced by a gloss enamel, and the absorption of light by a flat white finish. The slogan characterizing S-W Eggshell Mill White is Maximum Light Diffusion Without Glare. They will also show a convenient mixing and agitating apparatus for paint, and give suggestions for an improved and more economically managed paint room, a matter of interest to every mill owner, superintendent, plant engineer, and mill painter. Another exhibit will show the Sherwin-Williams Company's line of Pipe Line Finishes. Three of the industrial maintenance experts of the Sherwin-Williams Company will be present at their booth all through the Exposition, as follows: Mr. H. D. Leslie, manager manufacturers sales; Mr. W. H. Porter, industrial maintenance expert; Mr. A. D. Kiser, industrial maintenance expert. These gentlemen will be ready at all times to explain their materials, and being thoroughly conversant with all phases of mill painting and mill surface protection, they will be able to give advice and service to all of the exhibitors who call at their booth.

Simplex Roll Calendering Machine Company, of Anniston, Ala., with Mr. Walter L. Moss in charge, will exhibit their Roll Calendering Machine in Space No. 46. This machine is designed for the purpose of improving the drawing surfaces

of leather covered rolls and the general satisfaction it has accorded its many users entitles it to the full consideration of all visitors. Mr. Moss will also be in charge of the exhibit of Anniston Roller Covering Works, in adjoining Space No. 47, and will be glad to show all concerned the full and complete line of roll covering products manufactured by this concern, as well as samples of shop work and raw materials used.

S K F Industries, Inc., 165 Broadway, New York City, will exhibit in booths Nos. 22-25. In addition to special ball-bearing boxes for textile machinery, a special model showing the relative advantages of ball-bearings over plain bearings will be shown. This model has two shafts 1 15-16 inches by 10 feet, one shaft being supported by S K F Ball bearings, the other by a good make of ring oiling babbitted bearings, the bearings being spaced 51 inches apart. In the demonstration a pressure of 1500 pounds is applied to each shaft by means of the two levers shown, each having a load ratio of 30 to 1 and 50-pound weights, thus creating 500 pounds of friction pressure per bearing. The motor, running idle, consumes 8-10 of an ampere, with a linen thread turning the shaft over at 200 r. p. m., while the babbitted bearing shaft, under identical load conditions, requires two and four-tenth amperes, with a two-inch leather belt doing the work. In other words, the ball bearing shaft actually consumes only one-tenth of an ampere under full load, while the babbitted bearing consumes one and six-tenth am-

peres. To put it another way, the babbitted bearing produces 16 times as much frictional resistance as the S K F self-aligning ball bearing; the ball bearing eliminates about 93 per cent of the babbitted bearings waste. The following representatives are expected to be present: W. H. Holby, district manager, Atlanta, Ga.; Oliver Stangland, transmission manager, New York City; E. M. Potter, sales, Charlotte, N. C.; S. M. Smith, sales, Greenville, S. C.; R. C. Byler, advertising manager, New York City.

Southern Cotton Oil Company, Paint Products Division, will exhibit at the Fourth Southern Textile Exposition will be in charge of Messrs. R. R. Hampton, H. B. Rockwell and A. D. Carter. This exhibit will occupy Spaces 298, 299 and 300 on the second floor of the Exposition Building, and will display in most attractive and instructive manner the paint products of this company. The Southern Cotton Oil Company began the manufacture of paint in 1907, and has met with much success since the very beginning. Three distinct products are made for all wood surfaces, under the names of CO-CO Efficiency Paint, CO-CO House Colors and SCO-CO Heavy Service Paints. For the cotton mill trade the "Cotton White," made by this company, is meeting with much favor as a paint for the interior of mills and industrial plants. All paint products of the Southern Cotton Oil Company are made in the Savannah factory, entirely from raw materials. Considerable work is being done along research and formulating lines, in

order that paints for specific purposes may be made more nearly perfect; and the company is well equipped to furnish paint for any special requirement. Those who are interested in paints will find much of value in the exhibit of this company.

The Stafford Company has taken at the Southern Textile Show Spaces Nos. 67 and 80 inclusive; and plans to exhibit four Stafford looms running on four different fabrics as follows: One 84" shuttle-changing loom, making a standard tire fabric 23-14 warp and filling, 17-1-4 oz. per square yard. One 66" shuttle-changing loom making a piece of duck goods 24-4 warp and filling. One 40" bobbin-changing loom with Stafford standard take-up motion, making a three harness denim. One 40" bobbin-changing loom with high take-up roll making a standard sheeting. The following representatives will be present: S. R. Fuller, Jr., president; G. P. Erhard, treasurer; Messrs. S. S. Jackson, D. C. Dunn, Walter Smith, W. R. O'Hara. The Stafford Company exhibit will be of peculiar interest this year for the reason that it is presenting to the trade the new Stafford bobbin-changing loom. The Stafford Company now has a complete line both of shuttle-changing automatic looms and bobbin-changing automatic looms and can furnish either in accordance with the personal preference of buyer or as conditions may suggest.

Standard Conveyor Company will have a booth in Sections 250, 251 and 252 on the second floor of Tex-

Having just completed and moved in our new building on Jackson Street, rear of Post Office, we are well equipped for handling textile machinery and any inquiries sent us will receive our best attention.

Southern Textile Machinery Co.

Greenville, S. C.

Complete Cotton Mill Equipments a Specialty

A Matter of Possible Interest To You

In order to give our many friends in the South the best possible service, a Southern district office has been established at Charlotte, N. C., with Mr. E. E. Routh, Southern Sales Manager in charge.

Mr. Routh will be glad to give you his best judgement in helping you to solve your alkali problems.

Meet his organization at *Booths 124, 125* during the Fourth Southern Textile Exposition.

The Mathieson Alkali Works, Inc.

25 West 43rd Street, NEW YORK CITY

BRANCH OFFICES

PROVIDENCE, R. I.
CHICAGO, ILL.

PHILADELPHIA, PA.
CHARLOTTE, N. C.

It is not unusual to find Klauder-Weldon Machines in use which were built nearly half a century ago, and still doing their work economically under the most arduous conditions, subjected to the ravages of live steam, heat and alkalis.

THE KLAUDER-WELDON DYEING BLEACHING SCOURING MACHINES

Have won unqualified preference in the principal textile plants in the United States and Europe. Their superior work under all conditions in thousands of mills has earned their reputation of being

UNIVERSALLY USED

We will be pleased to send Catalogue or have our representative call immediately upon request.

The Klauder-Weldon Dyeing Machine Co.
Jenkintown, Pa.

UNITED PRODUCTS

AMERICAN MADE



PROMPT SHIPMENT

SULPHUR NAVY BLUE
U. C. P.

The Best
Money-Value
Colors

SULPHUR BLACKS
JET OR BLUE SHADES

VELVETEEN

THE MOST EFFICIENT AND ECONOMICAL BOIL-OFF OR FINISH FOR RAW STOCK
OR WARPS

United Chemical Products Corporation

Importers, Exporters and Manufacturers

York & Colgate Sts., Jersey City, N. J.

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Southern Office, Realty Bldg., Charlotte, N. C.

Representatives:

R. T. GRANT, Charlotte, N. C.

B. R. DABBS, Atlanta, Ga.

It Saves Money
For Others



It Will Save
Money for you

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JOHN C. RANNEY, President
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THE ATHERTON MILLS
COTTON YARNS
30-4 TO 60-2 FLY CONES, TUBES, SKEINS & WARPS

HEAD AND SHIPPING POINT: CHARLOTTE, N. C.
OFFICE: LOWELL, N. C.

CHARLOTTE, N. C. Aug. 10, 1920.

Simplex Roll Calendering Machine Co.,
Anniston, Ala.

Gentlemen:

Back in April we noticed a cut of your Calendering Roll Machine in the Southern Textile Bulletin; this cut appealed to us and we immediately installed one of these machines. We have watched this machine up carefully and are glad to advise that we are highly pleased with the results that we are having from it. We have reduced our roller covering expense at least 33 1/3% - we use this machine on all of our new rollers, as well as re-working our old ones.

Yours truly,
THE ATHERTON MILLS,
By *J. B. Meacham*
SUPT. & MGR.

QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE. ALL AGREEMENTS CONTINGENT UPON STAINES, ACCIDENTS AND DELAYS BEYOND OUR CONTROL.

Simplex Roll Calendering Machine Co.
Anniston, Alabama

See Our EXHIBIT at the Exposition, Space No. 48

Quality

ALTHOUGH OUR NEW Plant and enlarged facilities gives us a yearly output of 205,000 gallons of paint, we do not care to be known as quantity producers.

We prefer to have our name stand as a hall-mark of quality.

For that reason everything else has been sacrificed, even price has been ignored, to obtain the most enduring paints.

San-da-lite is the paint superb for mill use. It has the stickability, the longevity and the radiant qualities to make it so.

*The Only Complete Paint
Manufacturing Plant
in the South.*

JOHNSON PAINT CO.
Atlanta, Ga.



VOGEL

PATENTED

Frost Proof Closets

Over 350,000 giving satisfaction. Save water—require no pit—simple in the extreme. In service summer and winter.

Built to Stand the Hardest Kind of Service

VOGEL Automatic Closets

PATENTED

for Schools, Factories and Comfort Stations.

VOGEL No. 9 Closet

PATENTED

Working parts handy to get at. Nothing intricate. Vitreous China bowl, syphon action. Brass Valves Nickled.

VOGEL

PATENTED

Number 5

The best and simplest factory water closet on the market. All closets tested under hydraulic pressure before leaving the factory.

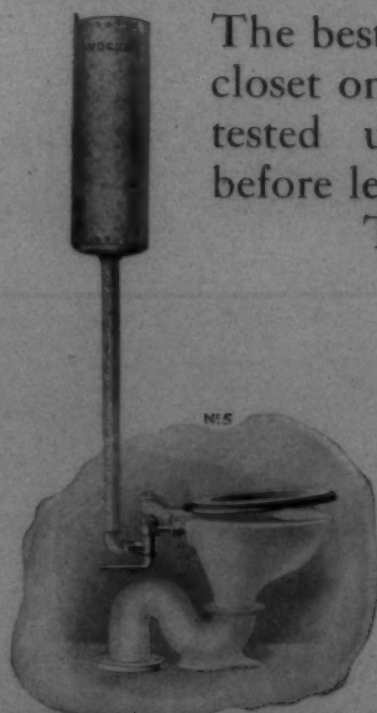
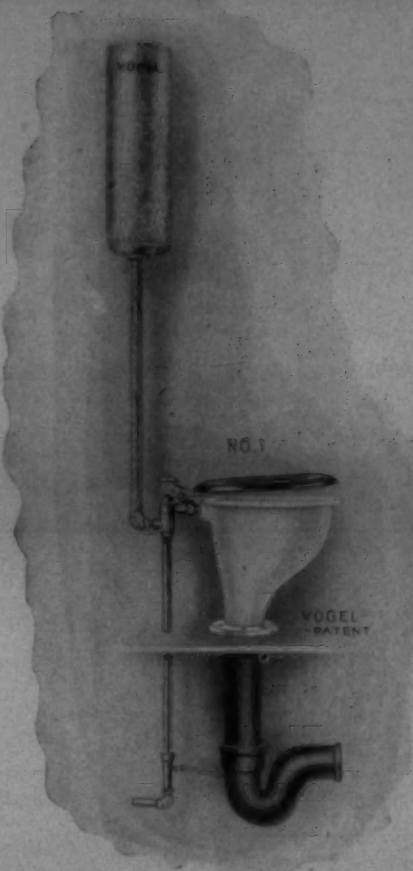
Thousands being installed.

Ask Your Jobber

**JOSEPH A. VOGEL
COMPANY**

Wilmington, Del.

St. Louis, Mo.

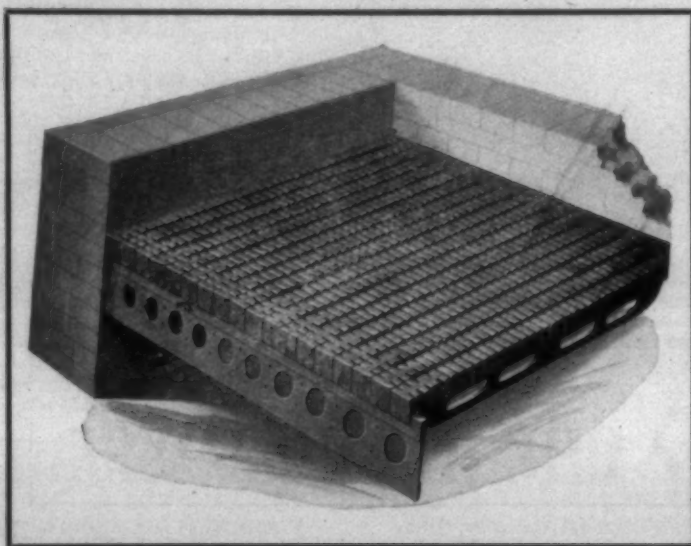


Universal Winding Company, Boston,
announces the opening of an Atlanta
office in charge of Mr. W. S. Warren
at Number 1121 Candler Building.
¶ Frederick Jackson, Southern Repr.,
804 Realty Building, Charlotte, N. C.

**\$3000 to \$6000
Annual SAVING**

Invention is Applied Imagination

The spirit of invention is unloosed in imagination. Many of the castles built in the air have become wonderful realities for the benefit and profit of the people. ¶ A man caught a vision of vast power from a tea kettle, and steam came to our aid. ¶ Men saw through the eyes of their minds numerous machines and industries driven by this same steam; and the things they imagined came to life. When keen competition made it necessary to reduce the cost of production, the dreamer turned his mental searchlight on the boiler and furnace, and after years of experimenting the **STATES GRATE BAR** was invented—an economical, steam-increasing and fuel-saving device—exceeding the expectations of the dreamer.



With conditions rapidly taking on the form of a nightmare—coal prices shooting skyward and the price of manufactured articles doing the toboggan act—it is more imperative that the manufacturer should investigate today the following points in favor of STATES GRATES:

1 Saving in Consumption of Coal.

Your plant can be operated on 20 per cent less fuel than with the ordinary grates on the market.

2 Increased Steaming Efficiency.

Where States Grates are used the boilers steam 50 per cent better.

3 Low Cost of Up-keep.

The first set of States Grates have been in constant use day and night for seven years

and a recent examination showed that they were still in good condition.

4 Saving in Labor.

The increased air currents evenly distributed to all parts of the fire-bed, consume the fuel cleanly without the usual amount of poking and working of the fires.

5 Refunding Ability.

States Grates will pay for themselves in 30 to 60 days and go on saving from year to year.

**Eureka Iron Works, Inc.
Lincolnton, N. C.**

tile Hall during the coming Exposition, and will be pleased to exhibit photographs of conveying systems which have been installed in textile plants for the purpose of transporting laps from picker room to card room, roving from card room to spinning room, warp yarn from spinning room to spoolers, and filling yarn from spinning room to weave room. Mr. E. S. Player of the Greenville office, Mr. F. W. Heath of the New York office, and Mr. W. E. French, general sales manager, will be in attendance.

Steel Heddle Mfg. Co. will occupy Booth No. 66, which is alongside of the wall on the right hand side and on the ground floor. This company will exhibit some new improvements in loom-harness which have never been exhibited heretofore. In particular, will be the new type of patented hooks for heddle-frames for the purpose of holding the heddle-bars in the frames. These new hooks are arranged in such a way that the heddle-bar is completely locked within the hook so as to prevent any vibration or oscillation of the heddle-bars while the harness frames are in motion on the loom. These hooks also permit an easy changing of the heddles from one side of the hooks to the other without the usual difficult operation of having to remove the heddle-bars from the hooks. Outside of the usual exhibit of double-bar and single-bar frames and "Duplex" heddles for weaving tire fabrics, print cloths, sheetings, and all kinds of fancy weaves including steel doups for weaving lenos, and also

nickel-plated drop-wires, the company will show at their booth a large picture of the new quarter-million dollar addition to their plant recently erected at Philadelphia, Pa. The exhibit will be under the direction of Mr. Hampton Smith, manager of the Southern office located at Greenville, and Mr. R. J. Frietag, general manager of the company.

Swan & Finch Company will occupy Booths Nos. 126 and 128, exhibiting our textile mill lubricant SLO-FLO, which has been particularly successful in reducing lubrication costs and at the same time has insured freedom from oil stains, which, of course, is a very important point to the textile man. They expect to have a Draper loom in operation, warp and filler, lubricated with SLO-FLO, with the usual exhibit of samples and publicity matter. Their Southern representative will be there throughout the week, they being Mr. Lindsay Padgett, of Charlotte; Mr. Hague Padgett, of Forest City, representing in South Carolina, and Mr. B. M. Lattimore, of Atlanta, all well known mill lubricating men. In addition, Mr. N. W. McGrew, textile lubrication engineer, expects to be there throughout the week, and probably Mr. R. Thackray will be there also, at least for part of the time.

The Terrell Machine Company expects to have on exhibit at the Southern Textile Exposition one of their quill cleaning machines. E. A. Terrell and O. L. Richardson will be in charge of the exhibit which consists of booths Nos. 39 to 44, in-

clusive.

U. S. Gutta Percha Paint Company will occupy space No. 206 at the exposition and Mr. J. S. Palmer, Southern representative, will be in charge. A full line of literature, advertising matter and souvenirs will be on hand. Mr. Palmer will be very glad to give full information on their product and to tell those interested of jobs in the near vicinity done with their product for references. It is their earnest desire that everyone who attends the Exposition will call at the Barreled Sunlight space.

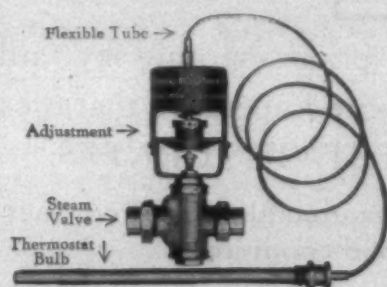
U. S. Ring Traveler Company's exhibit will occupy Spaces 326-327 on the second floor of the Textile Hall. The Southern representative, Mr. Wm. P. Vaughan of Greenville, will be in charge during the week, assisted by Mr. Antonio Spencer, secretary of U. S. Ring Traveler Company, of Providence, R. I., and also by Mr. Amos M. Bowen, treasurer of the company, who will be at the Exposition at least part of the week. The U. S. Ring Traveler Company will be pleased to have all their friends and customers call at and make use of their booth at any time during the week. There will be the usual line of travelers, and also some interesting new stuff, which has just come out, never before on exhibition. All mill men are cordially invited to visit the U. S. Ring Traveler exhibit.

Joseph A. Vogel Company, of Wilmington, Del., will exhibit in Booth 142-3, their closets, which are widely known all over the United States

and Canada. The No. 1 is frost proof No. 5 factory and can be made frost proof by installing the No. 1 valve. The No. 9 is of Vitreous ware and is used in schools, factories and comfort stations. Also frost proof garage hydrant. Mr. F. A. Webb will be in charge.

The Walraven Company of Atlanta, Ga., will have in actual operation a Brown & Sharpe Milling Machine, a Brown & Sharpe Automatic Gear Cutting Machine, a Brown & Sharpe Tool and Cutter Grinder, a Hendey Lathe and Shaper, and a Snyder Upright Drill. They have spared no expense in making this the most complete exhibit of its kind ever shown in the south, and invite every executive, superintendent and master mechanic of the southern textile mills to visit the exhibit during the exposition. They will be located in booths 51, 52, 53, 62 and 64 on the first floor of the Textile Hall. The exhibit will be in charge of Messrs. J. C. Walraven, L. A. Quinn, J. D. McCord, J. M. Fraser and A. E. Mandeville. Mr. Mandeville is being sent down from the Brown & Sharpe factory to demonstrate their Universal Milling Machine and Automatic Gear Cutting Machine. The Hendey lathe and shaper will be demonstrated by Mr. L. A. Quinn. This is the first time that an exhibit of this kind has been shown at a textile exposition, and as the textile mills in the south have and are spending considerable money on machine shop equipment, this exhibit is bound to create considerable interest.

Make Better Use of Your Man Power



The Powers Regulator No. 11

A self-operating regulator for controlling temperatures of liquids, as in size boxes, dyeing machines, hot water tanks, etc. Reliable and accurate. Adjustable for different temperatures, at will.

Other Powers Regulators for other places. Installed on a 30 days "make-good" basis.

You can relieve the labor situation by using machines on all automatic jobs, thereby releasing men for work machines can't do.

Automatic Temperature Control offers a big field for such labor conservation. Get posted on its possibilities as applied to your particular mill. We'll gladly outline specific uses, if you indicate an interest in this method of meeting the labor shortage.

30 Day's Free Trial

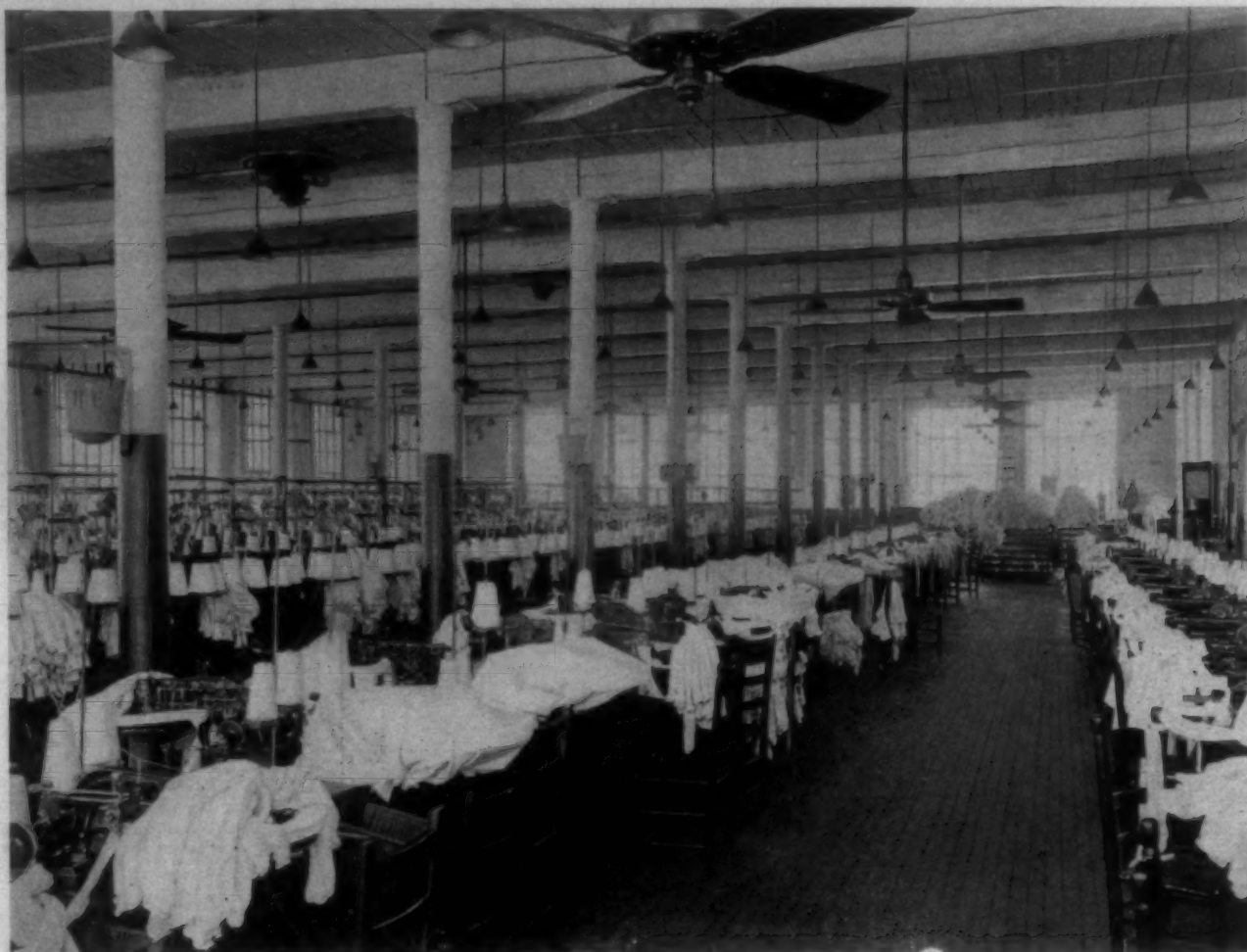
A Powers Regulator will save its cost many times every year, because it never forgets or fails.

Try one on a dyeing machine, washing machine, drying room, size box—or any other place where heat is a factor. If it doesn't satisfy you, send it back at the end of thirty days of use, and we will cancel the charge.

The Powers Regulator Company

Specialists in Automatic Heat Control

NEW YORK BOSTON CHICAGO TORONTO
Southern Representatives "ASKUS" Ira L. Griffin, Greenville, S. C.
Guy L. Morrison, Charlotte, N. C.



Durham Hosiery Mills, Durham, N. C., painted with S-W Egg-Shell Mill White

Better Illumination and Increased Production Through Sherwin-Williams Egg-Shell Mill White Paint

Efficiency engineers have proved in repeated tests that better lighting increases factory production.

A bright, refreshing atmosphere is certain to be reflected in better contented labor and improved industry.

In painting factories for greater light, *kind* of paint is as important as *color* of paint. The character of surface is vital. When light strikes a glossy surface (like a china egg) it is

thrown off in a solid, glaring beam. When light strikes an egg-shell surface (like Sherwin-Williams Egg-Shell Mill White) it is diffused broad-cast, in soft illumination.

One painting with Egg-Shell Mill White makes hundreds of electric lights unnecessary; saves constant replacements and current consumption month after month for years.

Send for our book on "Factory Illumination". It contains photographs and interesting scientific data.

SHERWIN - WILLIAMS

PRODUCTS



We prepare plant standardization plans which forestall loss, expense and time in keeping paint needs promptly and continuously met. Let us explain the plan adopted to your requirements.

THE SHERWIN-WILLIAMS Co.

Main Office: 601 Canal Road, N. W., Cleveland, Ohio

Offices at: Atlanta, Baltimore, Richmond, Philadelphia, Newark
Albany, Boston.

Yarnall Paint Company, of Philadelphia have space No. 328 at the Textile Exposition and their special representative, Mr. V. G. Avery, and his associates will be very glad to talk with all who come and explain in an interesting but brief way the qualities of YB Factory White, Flat and Gloss, as well as YB House Paints for cottages, etc. Panels showing the finish made by their

paints will be on exhibition. From the standpoints of economy, sanitation and beauty of appearance the Yarnall Paint Company confidently recommend the foregoing paints to the mill owner, etc. Having made a specialty of paints for mills, factories, workman's houses, etc., the Yarnall Paint Company feel that they are in a splendid position to supply the needs of all who are

looking for economical paint material to their highest satisfaction.

Zacon, Inc., will exhibit at Booth No. 508 their product, Zaven, a gelatinous solvent, which is used extensively on cotton goods, in the degumming of silk and in the washing of lamb wool and furs. In hosiery mills it is used in the kier to obtain a better white with less chemic, thus reducing the amount

of caustic, while giving an evenness of bottom for the dye and an added lustre to the finished hosiery, also reducing the amount of seconds. They will be pleased to meet the mill men of the South and fully discuss their problems as to oil stains, the lifting of natural fats and waxes and the evenness of dyeing, in our Booth No. 508, where their Vice-President, Mr. George A. Reeder, and Technical Supervisor, Mr. John P. Stokes, will be in attendance.

Atlantic Drier & Varnish Company expects to occupy Booth No. 203 at the Southern Textile Exposition. Mr. R. A. Sherfesse, Southeastern representative, will be in attendance all week and Mr. W. F. French, superintendent of the paint department at the Philadelphia factory, will arrange to be present most of the time. These gentlemen will be pleased to see old friends in the textile business and meet new ones and are prepared to present, discuss, and promote matters of special interest to textile industries along the line of finishes, preservations and protection that are up to the minute. Special attention will be paid to Monad Brands, and colors in evidence will reflect the Monad Trade Mark.

W. F. Fancourt & Co., Inc., Philadelphia, Pa., will exhibit their full line of Oils, Soaps, Softeners, Sizing Materials, Soluble Wax and Water Proofing Compounds. Their exhibit will be in charge of their Southern representative, Mr. C. P. Reublinger, assisted by their Consulting and Research Chemist, Mr. M. H. Yorganjian. Mr. Yorganjian is thoroughly familiar with Cotton Finishing, having been connected for over seven years with Jos. Bancroft & Sons Co., Wilmington, Del., in the capacity of Research Chemist and in the practical application of improved methods of Softening, Water Proofing, Finishing, etc. His services and the facilities of their well equipped laboratories are at the disposal of the trade. A full line of specialties will be exhibited and a visit to their booth, No. 423, will be both entertaining and instructive.

Georgia School of Technology, Atlanta, Ga., will have an all-student-made exhibit at the Greenville Textile Exposition. The exhibit will consist of gingham, suitings, madras, shirtings, mercerized cotton, material made on the Jacquard looms and other products of the textile department. Every thread in the exhibit was woven by Tech students, of whom last year there was an enrollment of more than 2,000. The exhibit will be in charge of Professor C. B. Seal, head of the A. French Textile School at Tech. It will be a splendid example of the practical training given Southern boys at an institution noted for producing graduates of executive ability as well as expert industrial knowledge.

Roessler & Hasslacher Chemical Company will occupy 410-418 on the mezzanine floor where they will display a large number of textile samples peroxide bleached by their customers. Experts on peroxide bleaching from the offices of the company will have charge of the exhibit.

TOLEDO

JUST as the Toledo—No Springs—Honest Weight Computing Scales displaced the old-fashioned even-balance and beam scales and revolutionized weighing in the retail stores—

So also Toledo, Springless, Automatic Scales are displacing the cumbersome, old-fashioned steelyard and are revolutionizing weighing in the cotton industry.

Toledo Scales require no hand operations. They indicate the weight instantly, automatically, plainly and with absolute accuracy.

Years of experience in building automatic scales exclusively have enabled our staff of engineers to perfect especially adapted, automatic, springless Toledo equipment to weigh cotton in whatever form it is to be found, from the bags of cotton in the field to the finished product as it leaves the mill by freight, express or Parcel Post.

At every stage of manufacture or distribution where weight is to be determined Toledo Scales save time, reduce costs and eliminate the loss due to faulty weighing methods.

Write today and let the Toledo Scale man in your neighborhood help solve your weighing problems, whatever they may be.

Toledo Scale Company
Toledo, Ohio

Branch Offices and Service
Stations in All Large Cities

Canadian Factory
Windsor, Ontario

SCALES



Old Method
Required Many
Pairs of Hands

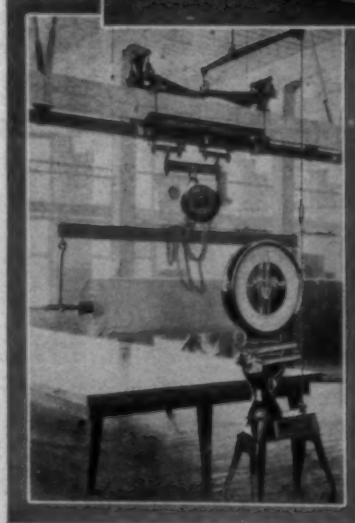


Toledo Automatic
Method now
in use in North
Texas. Com-
press Gainesville
Texas

Toledo Cotton
Lap Scale
Serves Several
Machines



Toledo
Overhead Track
Scale in Cabar-
rus Cotton Mill
Kannapolis
N. C.



1820

A CENTURY of SPECIALIZATION

1920

ONE hundred reasons—each one a year of achievement in the manufacturing of textile finishing machinery—are more than enough to account for the far-sighted manufacturer's preference for Butterworth Finishing Machinery.

Our catalogue will be sent on Request.

THE BUTTERWORTH LINE INCLUDES:

Bleaching Machines	Hydraulic Presses	Mangles (all kinds)
Drying Machines	Dyeing Machines	Calenders (all kinds)
Singeing Machines	Soaping Machines	Color Kettles
Mercerizing Ranges	Tentering Machines	Cell Dryers

H. W. BUTTERWORTH & SONS CO.

Established 1820

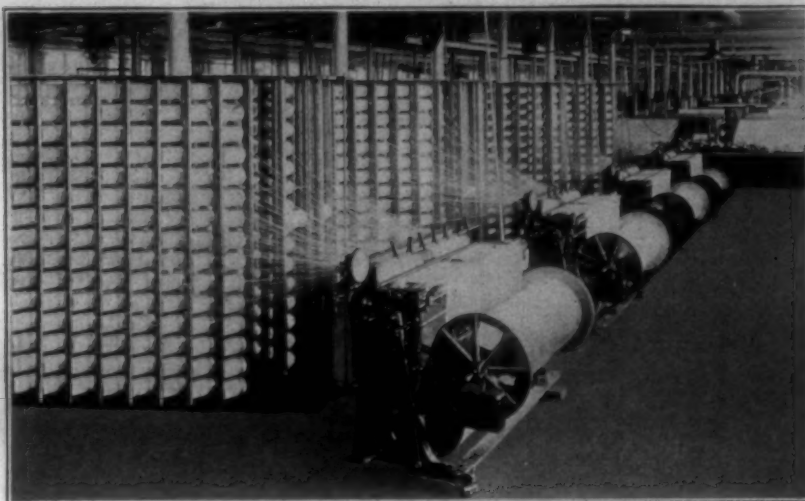
PHILADELPHIA

Providence Office,
Turk's Head Building.

Canadian Representative,
W. J. Westaway Company,
Hamilton, Ontario, Canada.

FINISHING
Butterworth
MACHINERY

Scientific Lubrication Series—No. 6



SLO-FLO

The Scientific Lubricant for Textile Machinery

Increases Lubricating Efficiency Eight Times in the Warp Room

NOBODY knows better than the man who has charge of the warp room that the spooler reservoirs have to be cleaned out every thirty days or so. A mean job. And every time you clean the reservoirs and fill them again you run another chance of getting oil on the running parts. When this happens it means oil-soaked yarn, and plenty of it!

In mills that use Slo-Flo, a single lubrication often lasts six months or longer. On the average Slo-Flo has eight times the lubricating efficiency of ordinary lubricants. A big saving in lubricant cost alone, not to mention that greatest of all savings—*no more stained yarn!*

The cohesive qualities of this semi-liquid lubricant absolutely prevent it from crawling, throwing or dripping.

For Spoolers, Cylinder bearings and Cams we recommend Slo-Flo No. 24. For Spindles on Spoolers; Slo-Flo No. 20.

Write us for a demonstration

SWAN AND FINCH
COMPANY
NEW YORK

Quality Lubricants Since 1853

Chicago Philadelphia Boston San Francisco
Buffalo Detroit Atlanta Charlotte New Orleans

CATARACT REFINING COMPANY, Limited
Toronto, Canada London, England

SCIENTIFIC LUBRICANTS *for* SCIENTIFIC LUBRICATION



It will require several solid cars to
transport the

395 BAHNSON HUMIDIFIERS

to completely equip the new
120,960 spindle mill No. 4 and
one room in mill No. 1 of the
Manomet Mills, New Bedford, Mass.

The BAHNSON Co.

Winston Salem, N. C.

New York Office

437 Fifth Avenue

SOUTHERN TEXTILE BULLETIN

Published Every Thursday by
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Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

ADVERTISING

Advertising rates furnished upon application.
Address all communications and make all drafts, checks and money orders payable to Clark Publishing Company, Charlotte, N. C.

THURSDAY, OCTOBER 14, 1920

Southern Textile Exposition.

About ten years ago at a meeting of the Board of Governors of the Southern Textile Association held at Greenville, S. C., David Clark, editor of the Southern Textile Bulletin, urged that the Association launch a movement to have textile machinery and supply exhibits held in the South.

The idea met with the approval of the Board of Directors and a committee was appointed to push the matter and a textile exposition was held in a hall above the Piedmont & Northern Railway station.

That exposition was badly hampered by lack of space but was so largely attended and such a success that a movement was at once begun to raise funds for the erection of a suitable exposition building with the result that the present beautiful Textile Building was erected at Greenville.

Unfortunately the funds were raised in a period of low costs and as the building was erected when prices were much higher the funds raised were found to be far short of the ultimate cost of the land and building.

The Exposition Hall has therefore had to labor under a very heavy load of debt and it appeared re-

cently that there was a possibility of it passing into private hands, but we understand that that crisis has been averted.

The Textile Exposition Hall is one of the greatest assets of the city of Greenville, not only being a great advertising medium but also bringing to Greenville periodically large numbers of cotton manufacturers as well as hundreds of machinery and supply manufacturers and dealers.

If at any time it should become likely that the Textile Exposition Hall was to pass into private hands, the city of Greenville should purchase the building and hold it as a municipal exposition building.

Greenville cannot afford to let the beautiful Textile Exposition Hall pass into private hands, for that would mark the end of textile expositions in Greenville.

The managers of the October, 1920, Textile Exposition deserve congratulations upon the efficient manner in which they have handled affairs.

When it was first announced that an exposition would be held this fall it was freely predicted that it would be a failure but every available space has been sold and many exhibitors are not represented because they applied too late.

The Southern Textile Exposition brings together the cotton manufacturers of the South and if it did no more than get such men acquainted with each other and with the leaders in the machinery and supply business it would be well worth while.

No Child Labor Decision Yet.

Contrary to expectation the U. S. Supreme Court did not render a decision on the Child Labor case last Monday but it will certainly come at an early date. The case was heard on Dec. 10th, last, but the aged members of that court take their time and suit their own convenience about all matters.

The Tragic Death of Edgar Love.

The textile industry has heard with sincere regret of the death of Edgar Love, president of the Saxony Spinning Company, of Lincoln, N. C.

His automobile was struck by Southern Railway train No. 37 upon a grade crossing between Belmont, N. C., and Charlotte, and he was horribly mangled. The death of Mr. Love was due to fast driving and a grade crossing. According to reports he was driving at over sixty miles an hour and his car skidded for fifty feet onto the track after he put the brakes on. There is absolutely no excuse for a grade crossing at that place for the road has to go up an incline in order to reach the track.

The toll of the grade crossing is paid with the lives of many of our best citizens.

Avondale Mills Loan \$200,000 on Cotton.

Recently B. B. Comer, president and treasurer of the Avondale Mills, Birmingham, Ala., announced that the Avondale Mills would loan \$200,000 on cotton and having several inquiries as to the plans and conditions of the loan gave out the following in an interview last week:

"We will arrange with the Warrent Warehouse, Birmingham, to handle \$50,000 and with each of the following banks to handle \$25,000: City National Bank, Sylacauga, Ala.; First National Bank, Sylacauga, Ala.; Merchants & Planters National Bank, Sylacauga, Ala.; Union State Bank, Pell City, Ala.; Talledega National Bank, Talledega, Ala.; Isbell National Bank, Talledega, Ala.; Alexander City Bank, Alexander City, Ala.; First National Bank, Alexander City, Ala., on the following conditions: to loan at 16 cents per pound on cotton middling and above in sums approximating \$500 each to any one farmer, the note to be attached to veritable warehouse receipts evidencing weights and grades and carrying insurance prop-

erty transferred, the loan to be at 6 per cent interest and at four months with the privilege of renewing four months.

"We recognize that the amount involved is trifling, that its principal value is the evidencing of our desire to join with many others in helping the cotton farmers to secure a fair price for their product, and that it is also an evidence to the trade at large and to everybody that when this great agricultural commodity is marketed at a loss to the producer, then in our opinion, every interest is hurt. We cannot too strongly recommend that sustaining funds from every source, including individual and country banks on up to the head of the great Reserve Banks, and that the Government could not show a higher function than to come at once to the aid of the farmers, cotton, corn, wheat, cattle, everything. Deflation is hitting them the hardest and it is fast reaching the point where disastrous results could come.

"In this period of cotton deflation consumers of merchandise, retailers, jobbers and converters have withdrawn absolutely from the market. The manufacturers of cotton goods on account of the general fear as to how low cotton may go, have no market. If they buy cotton it can only be done in a speculative way, but it is not for the protection of the manufacturers that we are proposing to loan this money, it is for the purpose of drawing attention to the dire need of that most unprotected of our fellow citizens, the cotton farmer.

"The manufacturers to protect themselves can shut up shop. It is useless to say that while it is a fearful and drastic proposition, the only defense the farmer seems to have at this time is to do likewise, shut up shop, for it is evident that the more he offers for sale, the lower the price will go. It is also evident that in continuing to sell to meet obligations, he is simply putting the economic condition where it gets into that paradox, the more obligations he meets the fewer obligations he can meet, and it is an economic interest to everybody, that cotton, which was 40 cents and is now 20 cents and still on the to-boggan, can reach its bottom only when the farmer stops selling and not before.

"The Government has been the intermediary in all vital labor disputes looking towards the accomplishment of higher labor prices and higher labor conditions and yet the Government is in the most radical way declining to allow the use of the usual business credits to function to the relief of the depressing influences which are now oppressing the entire agricultural field and which will radically affect a larger number of laborers than all the workers, union and otherwise, and which as an inevitable result will redact from fair pay more laborers than all combined.

"Verily the Government's effort to reduce the high cost of living is accomplishing results not intended and if continued to be radically carried out, then unnecessarily hard conditions will follow."

Personal News

Aiken Holly has resigned as overseer of weaving at Langley Mills, Langley, S. C.

Wm. Wood has resigned as overseer of carding at Langley Mills, Langley, S. C.

J. A. Asbelle is now overseer of carding at Langley Mills, Langley, S. C.

J. A. Sanders is now overseer of weaving at Langley Mills, Langley, S. C., succeeding Aiken Holly.

T. J. McNeely, superintendent of Myers Mills, Inc., of Gastonia, N. C., has resigned and will be succeeded by N. P. Bumgarner, superintendent of the Adrian Manufacturing Company, of Mt. Holly, N. C.

R. H. Stephenson has resigned as superintendent of the Union Bleaching & Finishing Company, Greenville, S. C., to accept position as superintendent of the Lanett Bleachery, West Point, Ga.

E. E. Goble has become overseer of spinning for Manchester Manufacturing Company, Macon, Ga., succeeding J. H. Arrington, resigned.

E. B. Brown has been appointed overseer of carding at Quitman Cotton Mills, Quitman, Ga.

Judge R. W. Freeman has been elected president of Newnan Cotton Mills, of Newnan, Ga., to fill the vacancy caused by the death of M. F. Cole. Judge Freeman has been identified with Newnan Cotton Mills for a number of years, and was vice president of this corporation, at the time of Mr. Cole's death.

Richard W. Arrington, son of John W. Arrington, who has been in New York as a selling agent for the past year and a half, has returned to Greenville to accept the position of superintendent of the Union Bleaching & Finishing Company. He succeeds H. R. Stephenson, who has resigned to accept a position as superintendent of the Lanett Bleachery at West Point, Ga.

Daughter of Superintendent Hightower Dead.

Vivian Everett, the 23 months old daughter of Mr. and Mrs. J. A. Hightower, of Edgefield, S. C., died at their home Friday night, October 1, after a short illness. Mr. Hightower is superintendent and local manager of the Addison Mills at Edgefield. The funeral took place Sunday following.

Edgar Love Killed When Train Strikes Car.

Edgar Love, prominent cotton manufacturer of Lincolnton, N. C., was instantly killed last Friday morning when the automobile in which he was riding was struck by a southbound passenger train at a grade crossing near Charlotte. The body, which was terribly mangled,

was picked up by the train crew and taken to Gastonia.

The tragedy occurred at the top of the long hill a quarter of a mile east of Paw Creek bridge in Mecklenburg county, near what is commonly called the Wooley chicken farm. Both the highway and the railroad are curved here, and it is presumed that Mr. Love was coming up the hill at a fairly good speed. There were no eye-witnesses to the tragedy except the engineer and fireman. Passengers on train No. 37, which followed a few minutes behind No. 137, say that Mr. Love tried to stop his car for a distance of 50 or 60 feet before he was hit. The road here is recently completed hard surfaced highway and the marks on the road where the rear wheels of his automobile were locked and slid were plainly visible for 50 feet, say passengers on the second train. Members of the crew state that the car was fairly on the track when hit, that the engine was just between the rails. According to passengers on No. 37, the engine of the automobile was knocked clear of the chassis and was lying 20 feet away from the track. The tonneau, top and running gear of the car were reduced to kindling wood.

Mr. Love was instantly killed. The legs and lower part of the body were horribly mashed and mangled. The head and upper part of the body were not mutilated but were badly crushed. The right arm was broken above the elbow, and the left arm was mashed.

Mr. Love is survived by his wife, who was Miss Kate McLean, a sister of Messrs. R. C. and L. T. McLean, of Gastonia, and four children, Frank, associated with his father in the mill business; Roberta, a student at Agnes Scott College, Decatur, Ga.; Mary Spencer and Edgar Lee, two younger children at home. In addition, the following brothers and sisters survive: Mr. R. A. Love, of Gastonia; Mr. John F. Love, of Charlotte; Prof. J. Lee Love, of Cambridge, Mass.; Mrs. W. W. Glenn, of Gastonia, and Mrs. C. S. Tate, of Brunswick, Ga. Mr. R. A. Love is absent in New York on business. Other members of the family were communicated with immediately, but at the hour of going to press no funeral arrangements had been made.

Mr. Love was a son of the late R. C. G. Love and Mrs. Love. He was born and reared in Gaston county and lived in Gastonia up until a few years ago. At Lincolnton he was president and treasurer of the Sax-only and Love Cotton Mills, of the Melville Mills No. 1 at Cherryville, and of the Melville Mills No. 2 at Lincolnton.

Mr. Love's body was carried to Lincolnton for burial, where the interment was held last Sunday. An indication of the high regard in which he was held was seen in the have been the most largely attended one ever held in Lincoln county.

Bleached Goods

(SELLING POINTS XXVI)

MR. SELLING AGENT:

Tell your mill what qualities you want in bleached goods. (The public is complaining about poor goods at high prices).

Can you meet competition

by guaranteeing a permanent white without weakening; the highest degree of softness and elasticity (in cotton, wool or silk) at same cost?

Only the BETTER BLEACH (Peroxide) will cover these specifications.

Peroxide advice free to mills.

The Roessler & Hasslacher Chemical Co.

NEW YORK

Employers Liability

Insurance At Cost

The MILLERS INDEMNITY UNDERWRITERS saved Southern Textile Mills twenty-seven per cent. of their liability insurance premiums for the years 1918 and 1919. We specialize in class insurance, which is the real answer to INSURANCE AT COST.

Our service is of a personal nature, and through our Greenville Office we are specially equipped to care for the needs of the Carolina Mills.

MILLERS INDEMNITY UNDERWRITERS

BAILEY & COLLINS, Managers
Greenville, S. C.

Atlanta

Dallas

New Orleans

MILL NEWS ITEMS OF INTEREST

San Antonio, Texas.—Machinery is being set up in the building erected for the San Antonio Cotton Mills and the plant is expected to be in operation by November 15.

Stanley, N. C.—The new addition to the Lola Manufacturing Company has been completed and machinery is now being installed. The plant is expected to begin operations January 1.

Waxahachie, Tex.—The Waxahachie Cotton Mills have elected the following officers: T. A. Ferris, president; J. H. Miller, vice president; W. L. Steele, secretary and manager; R. H. Kennedy, treasurer; and Will O. Howorth, superintendent.

Burlington, N. C.—The Consolidated Textile Corporation, Greensboro, N. C., has retained E. S. Draper, landscape architect and city planner, Charlotte, N. C., to plan improvements for Ossipee Mills village here.

Mt. Holly, N. C.—The American Yarn Processing Company has retained E. S. Draper, landscape architect and city planner, Charlotte, N. C., to make surveys, plans and supervise construction of a new mill village for the new plant here.

Waco, Tex.—The Miller Cotton Mill interests, whose new mill in this city recently began operations, manufacturing blue denims, tickings and drills, have completed the erection of the Waco Twine Mills. This mill will be ready for operation by Nov. 1, to manufacture cotton twine.

Atlanta, Ga.—R. J. Davidson, of the Industrial Welfare Builders, has advocated building a large cotton mill on the Camp Gordon site, if the Government finally salvages the camp. Mr. Davidson had also advocated formation of a stock company to put through the plan.

Bonham, Tex.—The Bonham Cotton Mills, which were recently taken over by New York interests, have repaired and put in first class condition, all houses owned by it and rented to its employees. The improvements were made, it was announced, with a view to improving the living conditions of the mill employees and not with a view to raising the rents.

Austin, Texas.—The Consolidated Textile Corporation of New York has been granted permit out of the office of the Secretary of State at Austin, Texas, to do business in Texas. Ike D. White, of Austin, is named as state agent for the corporation. Application for permit shows that this corporation has as capital 1,000,000 shares of no par value, on which more than \$3,000,000 has been paid in cash. The purpose of this corporation is to acquire and operate textile mills of all kinds.

E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

LANDSCAPE ARCHITECT
and CITY PLANNER

MILL VILLAGE DEVELOPMENT

MEES & MEES ENGINEERS

Transmission Lines, Municipal Improvements
Highway Engineering

Steam and Water Power Plants

Surveys, Reports, Design, Supervision of Construction

310 Trust Building

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Tax-free in North Carolina

Standard Bonded Warehouse Company

CHARLOTTE, N. C.
(COTTON STORAGE)

8% Cumulative Sinking Fund
PREFERRED STOCK

\$100 and accrued
Dividends

American Trust Company
Bond Department
CHARLOTTE, N. C.

PACKIDE



The complete absence of stretch is one of the many reasons why

PACKIDE
is the ideal Belt for
CONE DRIVES.

Charlotte Leather Belting Co.
Charlotte, N. C.

Dallas, Tex.—The United States Cotton Machinery Company, of Fall River, Mass., specializing in machinery for cotton mills of 5,000 spindles or more, has opened southwestern sales offices in Dallas, with W. D. McNeill as manager. Offices have been secured in the Linz Building, but it is announced that larger quarter will be sought.

Columbia, S. C.—The formal opening of the new community house at Pacific Mills on Oct. 19 will be marked by impressive ceremonies. Prominent mill executives and educators are on the program. Erected at a cost of a quarter million dollars, this building will provide facilities for every recreational need of the mill population.

Fieldale, Va.—The Carolina Cotton & Woolen Mills Company, incorporated under the laws of North Carolina, and a subsidiary of Marshall Field & Company, of Chicago, will spend more than \$1,000,000 this year in completing an addition to its mill here, erecting business houses, residences and making other improvements, according to announcement made by Frank Wilson, in charge of the company's interests. The company is the same one which is now carrying on big operations at Leaksville, Spray and Draper, N. C.

Of the amount to be expended, more than \$500,000 goes into an addition, 160x250 feet, which is nearing completion.

To take care of the increased business of the town, a survey has already been made and ground will be broken shortly for the foundation of the block of business houses to face Marshall way and Simpson square had to cost around \$200,000. The company is now rushing the work on 100 bungalows, totalling a cost of \$300,000. A 28-room dormitory for girls has just been completed.

The management of the mills, upon the completion of the improvements now under way, plans to begin construction work on a \$75,000 community house, which will provide an auditorium.

It is the intention of the company to continue the work of expansion until Fieldale is a town of some 10,000 or 12,000 people, at present the population being about 3,000. In reaching this end, the erection of two large mills is under consideration. These plans are not expected to materialize, however, until conditions become more normal.

Control of Anchor Duck Mill Changes Hands.

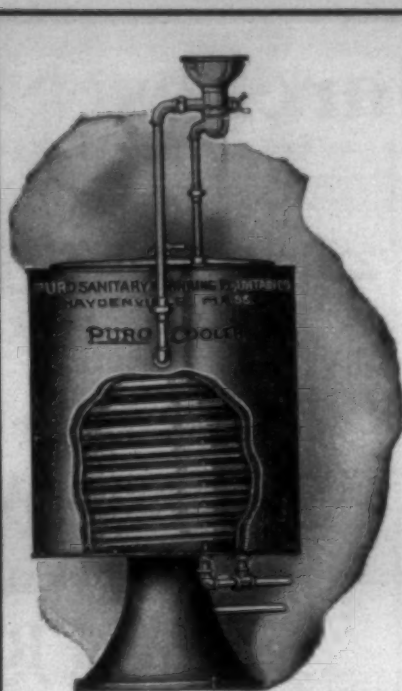
The controlling interest in the Anchor Duck Mills, Rome, Ga., has been purchased by Wellington, Sears & Co., of Boston, from J. A. Glover, president of the mill. There will be no change in the other officers at the mill, it is understood, the sale merely affecting the holdings of Mr. Glover.

Huntsville, Ala.—The Dallas Manufacturing Company, a cotton mill with about 715 broad and 704 narrow looms, and employing about 1,500 operatives, will close Saturday, Walter L. Denham, general superintendent, told the Daily News Record representative that the mill would be closed to make repairs on both the turbine engines. He admitted that the company had no future orders, however, when asked relative to the reopening. Mr. Denham said it would be in a few days.

San Antonio, Tex.—The San Antonio Cotton Mills, whose plant is being erected about 10 miles south of the city on the San Antonio & Arkansas Pass Railway, will be completed and will begin operations about Nov. 15, according to announcement made by the owners. Machinery is now being moved into the plant. It is planned to use cotton grown in this section for the manufacture of cotton duck and other fabrics.

Gaston County Mills Close for Fair Week.

Gastonia, N. C.—Gastonia cotton mills and a number of other plants elsewhere in the county are closed down this week in order that the operatives may attend the county fair which opened Tuesday and continues all week until Saturday. A sluggish yarn market is also a decided factor with the textile men



The late ex-President
Roosevelt's motto was
Be Prepared!

Anticipate your warm
weather requirements and
order

**Puro Coolers
NOW**

DON'T DELAY.

40 Feet Coil Pipe—
Cover with locking device
and rubber washer, making
an air tight Tank—equipped
with PURO Sanitary Drink-
ing Fountain.

**Puro Sanitary Drinking
Fountain Co.**
Haydenville, Mass.

Southern Agent
E. S. PLAYER, Greenville, S. C.

GUDE & CO.

All classes of building construction promptly and efficiently
executed at reasonable prices.

CANDLER BLDG.

ATLANTA, GA.

SAVE YOUR WASTE PAPER

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Box 98 Phone 74
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Screw Machine Products

for Textile Mills and allied
Industries. We make Special
Shaped turnings in steel or
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for quotations. Please state
quantities ordered.

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Woonsocket, Rhode Island



"NO-WASTE"

**SEAMLESS
ROVING CAN**

These cans are the Best
Hard Fibre Cans made.
They LOOK well, ACT
well and WEAR well.

DIAMETERS

9"-10"-11"-12"-14"-18"

Mills please take note that we have
some 11" size for immediate shipment

STANDARD FIBRE CO.

25 Miller Street

Somerville, Mass.

of the county in making this decision to curtail production substantially. It is a well known fact that the cotton yarn market is in bad shape, and that there is no brisk demand for the product of local cotton mills. Partial curtailment of from 25 to 33 1-2 per cent has been the order in Gaston county for the past month.

Rumors have been afloat on the streets of Gastonia, and even in Charlotte, that all Gaston county mills were to be closed immediately for a period of 30 days. When interviewed as to the authenticity of this rumor, leading cotton mill men of the county vigorously denied that any such action was contemplated by the Gaston spinners. Representative cotton manufacturers say there is no authority for any such rumors. The only closing down is that as announced for the county fair.

Picker Sticks

Spools

Skewers

Binders

Loom Supplies

Ivey M'fg Co.

Hickory, N. C.



DAVID BROWN CO.

Successors to
WELD BOBBIN AND SPOOL COMPANY

LAWRENCE, MASS., U.S.A.

MANUFACTURERS OF HIGH GRADE

Bobbins, Spools, & Shuttles

For Cotton, Woolen, Silk, Knitting
and Carpet Mills

We make a specialty of
Hand Threading and Woolen
Shuttles, Enamelled Bobbins
and all kinds of Bobbins and
Spools with Brass or Tin
Re-Inforcements.

Write for quotations

THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Company's method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS
Our FAN TYPE and HIGH DUTY HUMIDIFIERS
Our VENTILATING Type of Humidifier (Taking fresh air into
the room from outside)
Our ATOMIZERS or COMPRESSED AIR SYSTEM
Our COMPRESSED AIR CLENNING SYSTEM

Our CONDITIONING ROOM EQUIPMENT
Our AUTOMATIC HUMIDITY CONTROL (Can be applied to
systems already installed)
Our AUTOMTIC TEMPERATURE CONTROL
Are all STANDARDS OF MODERN TEXTILE MILL EQUIP-
MENTS.

AMERICAN MOISTENING COMPANY

WILLIAM R. WEST, President

BOSTON, MASS.

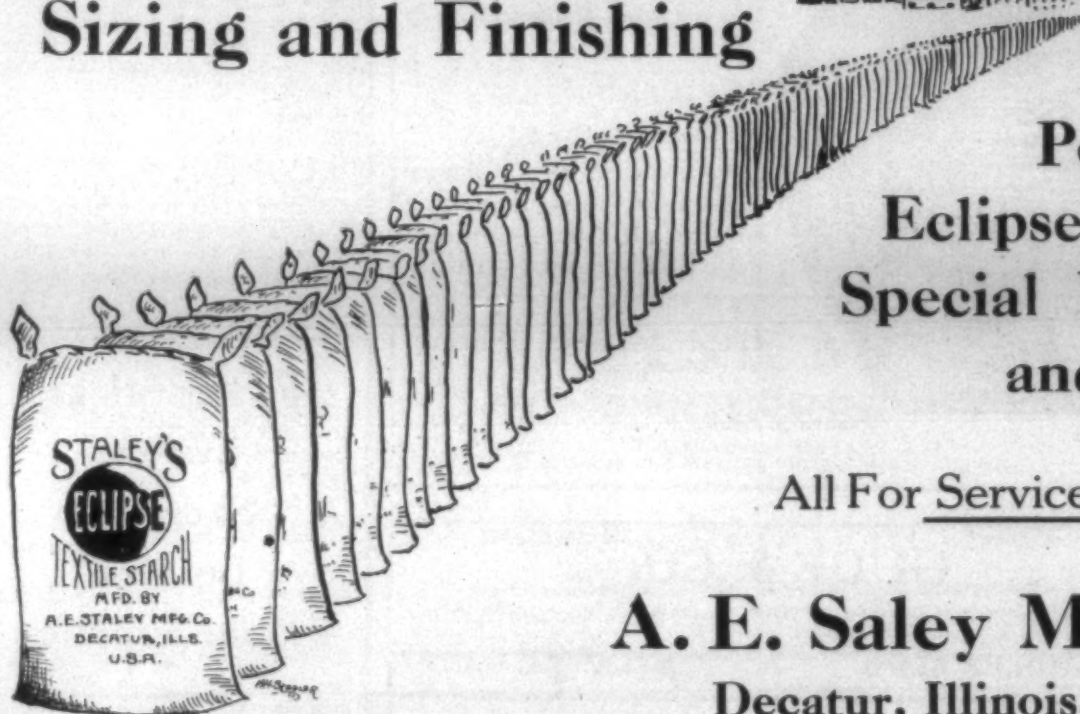
FRANK B. COMINS, Vice-Pres., Treas. and Gen. Mgr.

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

Staey's Textie Starches

in Distinct Grades
for Distinct Purposes in

Sizing and Finishing



Offered as

**Pearl - Anchor -
Eclipse - White Oak -
Special Warp Sizing -
and Radio -**

All For Service or no Sale

A. E. Saley Mfg. C.
Decatur, Illinois.

How do You Figure the Cost of Your Loom Harness?

Cost Each or by the Year?

DUPLEX Flat Steel Harness have built a reputation for service by the year, and can show records of ten to fifteen years' service, at small cost per year, with high cloth production and low percentage of seconds.

Lets talk it over.

Steel Heddle Manufacturing Company

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Southern Office

HAMPTON SMITH, Sou. Mgr.

111 Washington St., Greenville, S. C.

N. B. We are the sole manufacturers of Nickle-Plated drop wires for every kind of loom.

Starch

Economy and Efficiency

are the watchwords today. Modern mill men who hold to this motto are discarding ordinary, imperfectly refined starches and selecting those special types best suited for their individual conditions.

Some desire increased weight, all need increased strength and better weaving qualities for the warp.

You know the results you seek.

We know and can provide the proper type of STARCH.

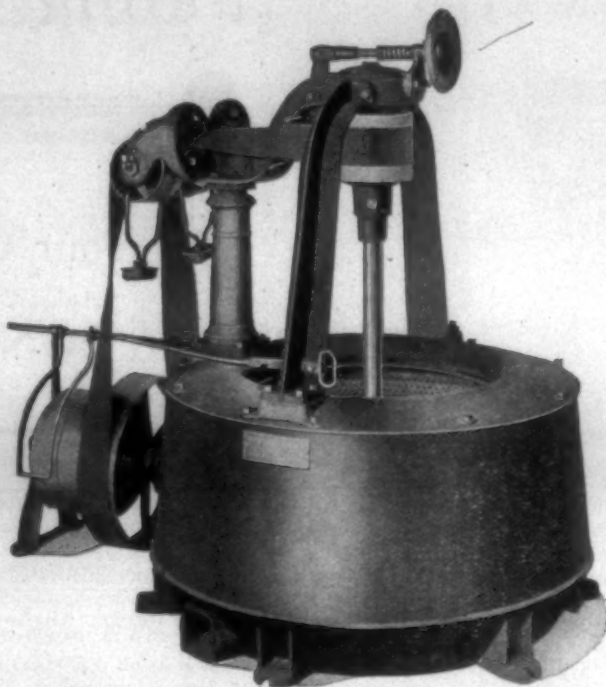
Corn Products Refining Co.

NEW YORK

Southern Office

Greenville, S. C.

Starch



SELF-BALANCING BASKETS

26 TO 72 INCHES

Tolhurst Extractors

For

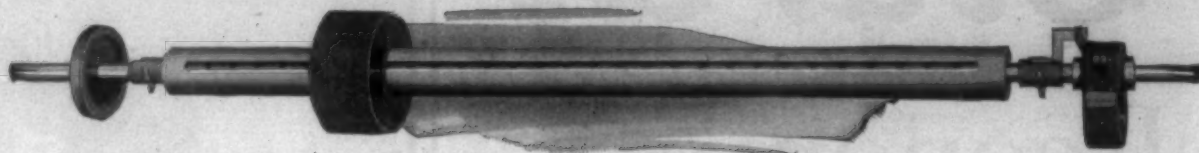
TEXTILES

Special Catalogue

TOLHURST Machine Works TROY, N. Y.

SOUTHERN REPRESENTATIVE
FRED H. WHITE, Realty Building
CHARLOTTE, N. C.

Textile Grinding Machinery Of All Kinds



Send in Your Old Grinders to be Repaired

Southern Agent, E. M. Terryberry, C-o Howard Bros. Mfg. Co., 1126 Healy Bldg., Atlanta, Ga.

B. S. ROY & SON CO., WORCESTER, MASS.

Established 1868

Cotton Goods Exports Increased.

Washington—Cotton manufactures were the only textiles to show an increase in exports for August, 1920, over the corresponding month of last year, according to figures made public by the Bureau of Foreign and Domestic Commerce.

Imports of manufactured silk showed a sharp rise for August, 1920, and for the eight months ending with August, while imports of unmanufactured silk showed a decline, and exports of silk manufacturers for August also show a decrease.

Manufactures of wool were exported to only one-half the quantity of August of last year, although for the eight-month period a large increase is recorded.

A fourfold increase in last month's imports of cotton manufactures is shown, exports also being larger.

Imports of cotton manufactures were nearly four times as great in August as during that month a year ago, while imports during the eight months ending with August were nearer five times those for the same period last year.

During August we imported cotton manufactures to the value of \$13,071,439, as compared with \$2,939,451 during August last year. Imports during July this year were valued at \$15,921,671, and in June at \$14,986,155, and May at \$13,252,471.

During the eight months ending with August our imports were valued at \$103,362,712, as compared with \$23,702,514 for the same period last year, and \$26,937,953 during

the seven months ending with August, 1918.

Cotton cloth again showed an enormous jump, imports amounting to 10,051,994 square yards, valued at \$4,401,249, during August, as compared with 3,008,175 yards, valued at \$1,116,192, during August of last year.

During July imports amounted to 14,617,731 square yards; during June to 13,246,847; and during May to 14,204,631 square yards.

During the eight months ending with August imports amounted to 114,615,204 square yards, valued at \$40,988,047, as compared with 17,314,681 yards, valued at \$6,601,841 for the same period last year, and 23,854,637 yards, valued at \$8,225,672 during the period ending with August, 1918.

Exports of cotton manufactures from this country during August show an increase when compared with those for the same month last year, the value of such exports in August being \$26,535,188, as compared with \$22,223,062 in August last year.

Exports during July this year were valued at \$33,325,097, and \$38,235,366 in June, and \$45,259,678 in May.

Exports of total knit goods during August were \$3,190,493, as compared with \$2,960,131 last year; total cloths of cotton show a decrease in quantity, but an increase in value during August as compared with August last year, the figures being as follows: August, 1919, 63,496,158 yards, valued at \$12,535,644, as compared with 47,113,323 yards, valued at \$15,-

603,486, in August, 1920.

Duck exports during August amounted to 1,736,484 yards, valued at \$1,338,630. During July this year exports were 1,449,549 yards, valued at \$1,171,327, and during June 2,266,412 yards, valued at \$1,535,544. Exports during August last year amounted to 993,504 yards, valued at \$703,809.

Five Years' Inflation Cannot Be Deflated in 10 Months.

"One of the keenest of mill men in New England" is quoted by the Boston News Bureau as follows:

"There is no reason in the world for cotton goods manufacturers or dealers to be stampeded by the present turn in affairs. Prices have had a bad break—confidence in values has been destroyed and buying has temporarily dried up.

"But the present buying paralysis does not spell a depression, in my opinion. There is no over supply of goods. Our mill sheets show the smallest stock on record—smaller even than in the fall of 1918, when the Government practically cleaned us out of certain goods.

"If there were an unhealthy accumulation of goods, jobbers would have 'backed up' on us by now, for it has been a full month since buying fell flat. Jobbers have no storage facilities and retailers have little space, so that we soon discover the presence of an overflow.

"There has been a big shrinkage in values unquestionably, and here and there can be found some jobbers who may go to the wall. Con-

verters, too, who ordered gray goods during the winter at high prices and who because of the demoralized transportation conditions in the spring received belated deliveries and who consequently, when goods were delivered, have encountered a declining finished goods market, may be embarrassed. But conditions on the whole are sound. We have all counted upon a decline in inventory values and now it has come.

"It may be heretical preaching, but I cannot possibly see any danger of an inflow of foreign goods. I do not think any foreign mill can touch this country on goods of 40 count or under. I doubt it even on most fine goods. Anderson gingham laid down in New York today cost almost twice as much as the domestic at 55 cents a yard.

"The situation at the moment is largely psychological. As soon as buyers believe the turn has come—and that feeling may come with or just after elections—there will be a good rebound. Gray goods have been cut in two and raw cotton has declined almost as much. It is good economic opinion that five years' inflation cannot be deflated in 10 months."

Avondale Mills.

Sycamore, Ala.

John W. Pierson.....Supt.
Ed. King.....Carder
John Hand.....2d Hand Carding
W. E. Ford.....Spinner
Kib Curtis.....2d Hand Spinning
W. C. Dickie.....Outside Foreman
Sam Roberts.....Master Mechanic

FOR SOFTENING FINISHOL

Finishol is a scientifically prepared detergent; soluble finishing and softening oil. It is used where any softener is required, in either a rinsing or color bath and is also for boiling out raw stock. It is extensively used with excellent results upon colored stock in the Fries Dyeing Machines.

Special Products Works
BALTIMORE, MD.
Refinery
CORAOPOLIS, PA.

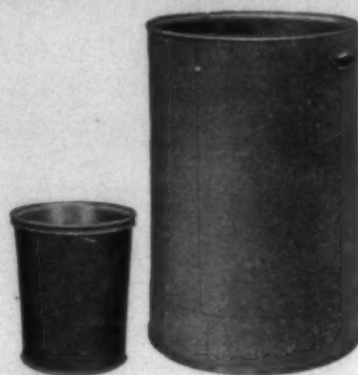
WM. C. ROBINSON & SON COMPANY
OF BALTIMORE
Since 1832

CHARLOTTE
ATLANTA
GREENVILLE, S. C.

Spools

We manufacture Warper and Twister spools. Plain heads and metal shields. Facilities for prompt shipments.

**Greenville Spool
& Manufacturing Co.**
GREENVILLE, S. C.



Many Who Spend Much Time and

effort in standardizing their products and process of manufacture, often overlook the question of standardizing their facilities for handling work in process, raw materials, and waste.

Diamond-F Receptacle Service has been developed especially for this purpose and includes the fitting of the proper receptacle to the job, as well as supplying the receptacles.

Write for "Diamond-F Receptacles."

Diamond State Fibre Company

DEPARTMENT S-T

Bridgeport, Pa. (near Philadelphia)

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THE ANNEX

New York



IMPELLED by the ever-increasing demand for accommodations, Hotel McAlpin has acquired the Martinique—now known as the Annex. In the acquisition more than a question of space is involved.

The Annex now offers the same courteous treatment of guests, the same pleasurable atmosphere and the same gratifying service which has made Hotel McAlpin universally approved.

The Annex, with its six hundred rooms and convenient location, will greatly aid in caring for the ever-increasing volume of McAlpin patronage.

*Under the direction of L. M. Bomer
Frank E. Jago, Resident Manager*

32nd to 33rd Street and Broadway

Harrison & Allen

Electrical Engineering
Contractors

INSTALLERS FOR

Textile Mills and
Village Lighting

Spantanburg, S. C.

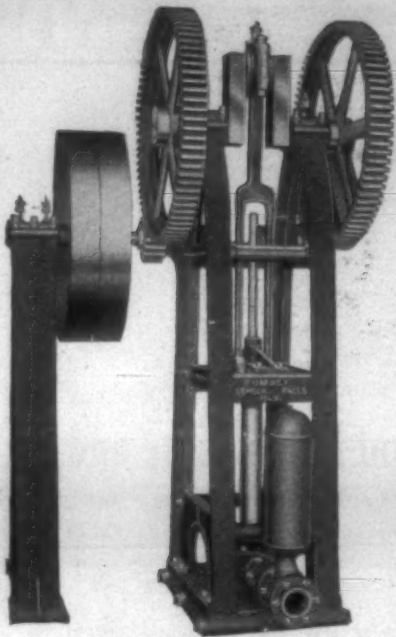
Phone 254

159 N. Church St.

Rumsey Deep Well Pumping Outfits

The Rumsey line of Deep Well Pumps includes a complete range of up-to-date machinery mill water supply from open or drilled wells of any depth and for use in connection with open reservoirs or pneumatic storage tanks.

Strength and accessibility are accomplished in the Rumsey designs and best use is made of the differential plunger, large air chamber capacity, artesian cylinder with removable plunger and valves and buoyant wood connecting rod.



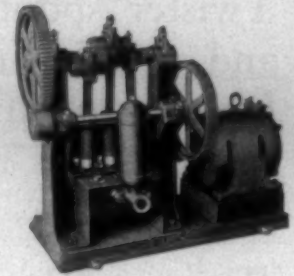
Working Head for Belt Drive



Artesian Cylinder and Wood Connecting Rod

Great care should be exercised in the choice of equipment. Deep well pumping is severe service for any machine and repair work requiring the removing of parts from the well is expensive. An outfit of ample size and strength, selected to meet the exact conditions of installation will prove an investment of real value.

Recommendations and prices on Deep Well Pumps suitable for any working condition will be offered on inquiry, giving full particulars of the proposed installation.



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Steam Turbines and Centrifugal Pumps
DeLaval Steam Turbine Co.
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Condensers and Cooling Towers
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CHARLOTTE, N. C.

Triplex and Deep Well Pumps
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LEATHER "ARROW" BELTING

MANUFACTURED BY
Cotton States Belting & Supply Company

ATLANTA, GEORGIA

WRITE FOR PRICES

Built Up To a Standard----Not Down To a Price

IT SELLS BECAUSE IT SATISFIES

IDEAL POWER TRANSMISSION

Standard Pressed Steel Company
Philadelphia, Pa.

"ARROW" BELTING
Selling Agent

Hyatt Roller Bearing Company
NEW YORK

COTTON STATES BELTING & SUPPLY CO., Atlanta, Ga.

Textile Exposition Opens Monday

The Fourth Southern Textile Exposition starts in textile hall at Greenville, S. C., on Monday, the 18th, and comes to a close on the following Saturday night. Every indication points to the biggest show and largest attendance in the history of the Southern Show.

Greenville has been busy all this week making final preparations to act as hostess to thousands of visitors. All of the committees have been busy and report great progress.

From all parts of the South and from many parts of the North and East are visitors expected to this greatest textile show in the history of the Sunny Southland. During the six days of the show every moment will be crowded with occurrences of interest both to the visitors in the trade and to the residents of the Textile Center of the South.

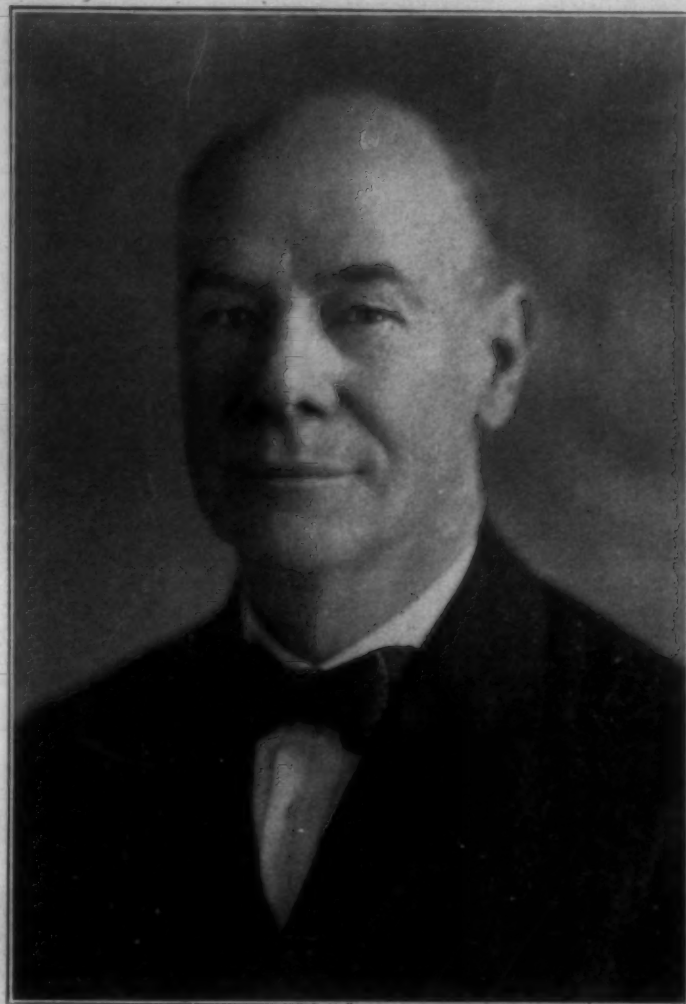
Virtually all exhibition space has been taken. William G. Sirrine, president and treasurer of the Exposition, announced yesterday, adding that nothing stands in the way of making this fourth show the greatest and best in all respects. Cotton mill men all over the South have evinced more than usual interest in the exhibition, he said, and the same is true of the people of Greenville and immediate vicinity.

President J. W. Kirkpatrick of the Merchants Bureau of the Chamber of Commerce has secured the co-operation of the merchants of the city who will decorate their windows and store fronts during textile show week. He has even gone so far as to get the residents to clean up front yards and lawns and trim hedges so that Miss Greenville may be arrayed in her very best when the trains begin to bring textile visitors into the city.

The housing committee, headed by Mrs. William G. Sirrine, reports progress in the work of obtaining a sufficient number of rooms in private homes to take care of the large overflow from the hotels. Through the efforts of this committee there is every cause to believe that all visitors will be properly and comfortably cared for.

In preparing a statement of welcome to the visitors, to be used in the official program, President Sirrine said that, on behalf of the Southern Textile Exposition, Inc., he hopes the show will be found advantageous and pleasant, not only to those who have gone to the labor and expense of preparing exhibits, but to those who come to see a most interesting display of things pertaining to the textile industry.

"We are indebted to the exhibitors for the splendid showing of textile machinery, products, accessories, supplies and all things generally pertaining to the industry," Mr. Sirrine said. "We are indebted to the Southern Textile Association for the inspiration which has made this and past exposition possible. We are indebted to the citizens of Greenville who have offered their homes for housing the visitors. We



H. H. BOYD

President Southern Textile Association.

Who will call the Convention to order Friday morning.

hope that another year will find us with ample hotel accommodations. To all of these we desire to extend our thanks, to the ladies and to the Greater Greenville Association for the committees who have done so much to perfect the arrangements for the entertainment of the city's guests."

Two conventions will be held in connection with the exposition—the Southern Textile Association Convention on Friday and Saturday of exposition week and the annual convention of the Cotton Manufacturers Association of South Carolina on Tuesday. The Textile Association meets in the Knights of Columbus hall, and the cotton manufacturers will hold their gathering in Cleveland hall.

On Friday morning at 10 o'clock, the Southern Textile Association comes to order in the K. of C. Hall. President Sirrine will introduce Mayor H. C. Harvley, who will make the address of welcome. The superintendent of Rosemary Mills, in Roanoke Rapids, N. C., T. W. Mulen, will respond to the welcome. At this session, the association's president, H. H. Boyd, will deliver his annual address.

General Chairman F. Gordon Cobb, of Lancaster, of the sectional committee, will make his report, and David Clark, of Charlotte, will report for the textile foundation committee. The report of the cotton committee will be made by its chairman, J. D. Buice, of Pineville, N. C. P. H. Partridge, of Charlotte, will make an address on "Cotton Grading" and John W. Clark, of West Durham, N. C., will talk on "Finishing Cotton Goods."

At 1:30 o'clock on that day, the association will gather for a luncheon. At 2:30, a motor ride around the city and suburbs will be given them, and a dance in their honor at 9 o'clock in the evening.

Music by the Chamber of Commerce Glee Club opens the Saturday morning session of the association. At this time, Governor Robert A. Cooper will make an address. Rogers W. Davis, of Charlotte, will talk on "The Human Element in the Cotton Mill," and C. C. Harding, of Chattanooga, Tenn., will talk on "Water—Its Uses in the Textile Industry." After a practical discussion by members and a business session, the convention adjourns.

The Cotton Manufacturers Asso-

ciation will hold but one session, and this on Tuesday morning in Cleveland hall. James D. Hammett, of Anderson, president of the organization, will preside over the meeting, and Col. Holmes B. Springs, chairman of the Convention and Entertainment Committee of the Greater Greenville Association, will welcome the visitors. The speaker for the feature address of the occasion has not yet been announced.

At 1:30 o'clock on this day, members of the association will be guests of the Greenville Rotary Club at a luncheon to be given in the K. of C. hall.

Among the many points of interest relative to this fourth show, President Sirrine called attention to the following:

The show is an event in the industrial life of the South. This year every manufacturer of looms in the United States will have a complete line of latest machinery, all running in the building under the inventors, the shopmen who build the machinery and the sales agents.

Practically nothing which enters into a cotton mill is omitted in the exhibits.

Many manufacturers will this year bring overseers, subordinate heads of their factories and even operatives.

Mr. Sirrine is president and treasurer of the exposition. John A. McPherson is vice president. F. M. Burnett is to be general manager of the show. The directors are:

B. E. Geer, John W. Arrington, Ellison A. Smyth, J. F. Gallivan, W. W. Carter, Edwin Howard, William G. Sirrine, J. E. Sirrine and John A. McPherson.

The housing committee is the only special committee appointed exclusively for this exposition. The standing committees of the convention and Entertainment Committee of the Greater Greenville Association are engaged in attending to the other details of entertainment of the exposition's visitors.

Col. Holmes B. Springs heads the Convention and Entertainment Committee, and Major Wm. F. Robertson is vice-chairman. Moss E. Penn, secretary of the Young Men's Business League, is also secretary of this committee. For the first time, the names of the hostesses who will serve at Cleveland hall during the evenings on exposition week were announced as follows: On Monday evening, Mrs. J. E. Sirrine; Tuesday, Mrs. J. Frank Richardson; Wednesday, Mrs. E. F. Woodside; Thursday, Mrs. H. H. Orr; Friday, Mrs. A. F. McKissick; and on Saturday, Mrs. J. O. McPherson.

The personnel of the committees follows:

Housing: Mrs. Wm. G. Sirrine, chairman; Mrs. James A. McPherson, Mrs. H. H. Orr, Mrs. George Wrigley, Miss Ellen Wilson, Mrs. H. C. Mims, Mrs. H. T. Maxwell, Mrs. Milton G. Smith and Mrs. DuPont Guerry.

Welcome: Thos. H. Pope, chairman; H. C. Harvley, F. M. Burnett,

Howard Caldwell, H. Calloway Mims, F. W. Graham, D. C. Durham, Harry A. Dargan, H. O. Wallace, John Badger, M. O. Alexander, T. A. Sizemore, A. T. Guy, A. T. Cottingham, Claodo Hemphill, W. Royden Watkins, J. C. Duckworth.

Entertainment: E. F. Woodside, chairman; J. M. Holmes, Frank Richardson, L. M. McBee, Jr., A. S. Agnew, W. F. Robertson, O. P. Mills, J. L. Williams, Eugene B. Smith, J. H. Spencer, N. H. Alford, J. R. White, J. H. Maxwell, A. B. Carter.

Decoration: Fred W. Graham, chairman; Rudolf Anderson, J. L. Williams, A. S. Agnew, Walter Gayle, G. G. Slaughter.

Automobile: Floyd Hughes, chairman; Thos H. Pope, Eugene B. Smith, Walter Goldsmith, A. S. Agnew, A. Culberson, John Humphreys.

Reservation: C. S. James, chairman; Walter Goldsmith, J. L. Alexander, W. Royden Watkins, John Graves, J. M. Rabb.

The official and complete chronology of the program for exposition week, starting Monday, October 18, was announced yesterday, as follows:

Monday—40 a. m., formal opening of Exposition; 3:30 to 4:30 p. m., music Textile Hall; 8 to 9 p. m., music Textile Hall; and 10 p. m., dancing at Cleveland Hall.

Tuesday—40 a. m., Cotton Manufacturers' Association of South Carolina, opening meeting at Cleveland hall; 1:30 p. m., luncheon by Rotary Club to Cotton Manufacturers at Knights of Columbus Hall; 3:30 to 4:30 p. m., music Textile Hall; 10 p. m., dancing Cleveland Hall.

Wednesday—3:30 to 4:30 p. m., music Textile Hall; 8 to 9 p. m., music Textile Hall; 10 p. m., dancing Cleveland Hall.

Thursday—3:30 to 4:30 p. m., music Textile Hall; 7 p. m., motor cars leave for Camp Sevier for pageant, "The Harvest Moon," given by Red Cross at U. S. Public Health Service Hospital; 10 p. m., dancing Cleveland Hall.

Friday—40 a. m., opening of Fall Convention of Southern Textile Association in Knights of Columbus Hall (next door to Textile Hall; 1:30 p. m., luncheon by Greater Greenville Association to Southern Textile Association at Knights of Columbus Hall; 2:30 p. m., automobiles waiting to take members of Southern Textile Association for a ride around the City of Greenville; 8 to 8:45 p. m., music Textile Hall; 9 p. m., dancing Cleveland Hall.

Saturday—40 a. m., Southern Textile Association Convention. Address by Governor R. A. Cooper of South Carolina, and others; 3 p. m., football game, Wake Forest against Furman University, on Mandly Field.

Georgia Mills Curtail.

Macon, Ga.—Nine textile plants in middle eGeorgia have curtailed their operations to 44 hours a week. These mills have been working 120 hours a week. A poor, unsettled market is responsible for the curtailment.

Complete List of Exhibitors and Where They Will be Found

The Aeroshade Co.....	546-547	Charlotte Leather Belting Co.....	209-210
Aldrich Machine Works	200	Clipper Belt Lacer Co.....	229
Alexander Bros.	335-6-7	F. J. Cooledge & Sons.....	340
Allen Spindle Corporation.....	333-4	R. D. Cole Mfg. Co.....	507
Allis-Chalmers Mfg. Co.	239-40	Cotton	367-368
American Kron Scales Co.	259-60 and 271-2	Crompton & Knowles Loom Works	160-173inc
American Laundry Machinery Co.	204-5	Crouse Hinds Co.	238
American Moistening Co.....	175-6	Curtis & Marble Machine Co.....	129-130
American Scrubbing Equipment Co.	296-7	Dana S. Courtney Co.....	144-45-46
American Tool Co.	222	David Lupton's Sons.....	383
American Vulcanized Fibre Co.	283-4-5-6	The Deford Co.	540
American Water Softener Co.	18	Detroit Graphite Co.....	365-366
American Wool & Cotton Reporter.	26-27	Detroit Steel Products Co.....	258
Anchor Post Iron Works.....	324	Diamond State Fibre Co.....	215-217inc
Anniston Roller Covering Works	47	P. W. Drackett & Sons.....	509
Atlanta Brush Co.	529	Draper Corporation	3-16inc
Atlanta Harness & Reed Mfg. Co.....	158	Dupont de Nemours, E. I. & Co.	20x20 ft
Atlantic Drier & Varnish Co.....	203	East Jersey Pipe Co.....	243
Bahan Textile Mch'y. Co.....	100-105inc	Eclipse Machine Co.....	527
The Bahnsen Co.	2	Enderes Steel Products Co.....	50
Barber-Colman Co.	317-320inc	The Fafnir Bearing Co.....	502
S. F. Bowser & Co., Inc.....	342-343	W. F. Fancourt & Co., Inc.....	123
Burroughs Adding Machine Co.	378-282inc	Felt & Tarrant Mfg. Co.....	10x10ft
Bussman Mfg. Co.....	541	H. K. Ferguson Co.....	292
H. W. Butterworth & Sons.....	139	Fibre Specialty Mfg. Co.....	139-141inc
Campbell Mfg. Co.	58-59-60-61	Foot & Davies Co.....	504-505
Carolina States Elec. Co.....	511	Frank Mossberg Co.....	356
Carolina Supply Co.	223	The Fulton Co.	234-237inc
Central Elec. Co.....	358-59-60	Gardner Governor Co.	248-249
		General Electric Co.	321-323inc
		Georgia School of Technology.....	506
		Graton & Knight Mfg. Co.....	218-221inc
		Graver Corporation	533
		Greenville Belting Co.	369-370
		Greenville Textile Supply Co.....	329

Greist Mfg. Co.	530
Hopedale Mfg. Co.	147-154inc
Hulme, J. S.	54-5-6-7
Hunter Mfg. & Con. Co.....	374-376inc
Huntington & Guerry	263-268inc
Hussong Dyeing Machine Co.	155-157inc
Hyatt Roller Bearing Co.....	279-282inc
Ideal Stencil Machine Co.....	291
Interstate Cotton Seed Crushers Assn.	10x10ft
Irving Iron Works	28-29
Judson Mills	409-411-413
Keever Starch Co.....	213-214
Kemp Smith Mfg. Co.....	224
Link-Belt Co.	112-114inc
H. F. Livermore Co.....	542-543
Lockwood, Greene & Co., Inc.	313-31
The Lovingood Co., Inc.....	305-30
The Lukenheimer Co.	211-212
Manufacturers Record	372-73
H. Newton Marshall Co.....	539
Mason Machine Works, Inc.....	131-38
The Mathieson Alkali Works, Inc.	124-125
Mill News	503
Minter-Homes Co.	35x30ft
Monarch Bobbin Cleaner Company	349-50-51
Monroe Calculating Machine Co.	531-532
Morehead Mfg. Co.	255-256
Morris & Co.	270
Morse Chain Co.	37-38
Mountain City Fdry. & Mach. Works	294-295
Multiple Electric Products Co.....	525
National Aniline & Chemical Co.	20x20ft
National Flue Cleaner Co.	155-157inc
National Lamp Works	361-364inc
National Ring Traveler Co.....	371
National Starch Co.....	309-312inc
The New Brunswick Chemical Co.	545
New York & New Jersey Lubricant Co.	119-122inc
Oakley Chemical Co.....	106-107
Odell Mill Supply Co.....	330
Park Mfg. Co.	66-A
Parks Cramer Co.	108-109
The Permutit Co.	1
Pittsburgh Plate Glass Co.	535-539inc
Portable Machinery Co.....	244-245
Puro Sanitary Drinking Fountain Co.	253-254
Zavon Co.	503
Reeves Pulley Co.	34
The Refinite Co.	526-7
J. R. Regnas & Co.....	230-233inc
The Roessler & Hasslacher Chemical Co.	410-412-44
Rogers Fibre Co.....	301-304inc
J. Kirk Rewell Co.....	261-262
Saco-Lowell Shops	87-94inc
Safety First Mfg. Co.....	544
Safety First Supply Co.....	246-247
The Scandinavian Belting Co.....	174
Screw Machine Products Corp.	35-36
Wm. Sellers & Co., Inc.....	128
Seydel Mfg. Co., Inc.....	274
Sherwin-Williams Co.	338-339
Simplex Roll Calendaring Machine Co.	48
J. E. Sirrine & Co.....	207-208
S. K. F. Industries, Inc.....	22-25inc
Southern Cotton Oil Co.....	298-300inc
Southern States Supply Co.....	96-99inc
Southern Textile Bulletin.....	227-228
The Stafford Co.	67-80inc
Standard Conveyor Co.....	250-252inc
Standard Gas Products Co.....	201-202
Standard Oil Co.....	308
Steel Heddle Mfg. Co.....	66
Stein Hall & Co.....	115-118inc
Swan & Finch	96-99inc
Taylor Instrument Co.....	242
The Terrell Machine Co.....	39-44inc



JAMES D. HAMMETT

who will preside over the meeting of the Cotton Manufacturers of South Carolina, Tuesday morning.

The Texas Co.	45-46
Textile Industrial Institute.	82-86inc
Textile World Journal.	275-276-278 and 287-288-289
Transmission Ball Bearing Co.	331-332
I. Spencer Turner Co.	344-345
A. C. Tuxbury Lumber Co.	110
U. S. Gutta Percha Paint Co.	206
U. S. Ring Traveler Co.	326-327
Ios. A. Vogel Co.	142
The Walraven Co.	51-52-53-62-63-64
Walton Adv. Agency	226
Ware Shoals Mfg. Co.	416
Wayne Oil Tank & Pump Co.	
Westinghouse Lamp Co.	352-355inc
Whitin Machine Works.	19-20-21 and 30-31-32
The William J. Niles Co.	507
C. B. Wood's Sons Co.	346-47-48
Yadkin Finishing Co.	403
Yarnall Paint Co.	328
Yarnall-Waring Co.	126
H. Zering Mfg. Co.	269

Cash Mills Almost Ready for Operation.

Gaffney, S. C.—A visit to the Cash Mills of Gaffney last week showed what has been accomplished within the past 12 months. Ground was broken here on the first day of August, 1919, and the mills are now almost ready to begin operations, and 50 houses for operatives have been practically completed. The mills are equipped with 250 looms and 10,240 spindles, and will manufacture wide convertibles. The machinery is of the latest and most approved type, so arranged that an accident is almost impossible. The entire building is of brick and concrete construction, nothing of wood except the floors, which are of best maple flooring. A vacuum system is used in conveying the cotton to the picker room where it is made ready for carding. The capital stock of the mill is \$500,000, 400 shares being common stock and 100 preferred. The company owns 108 acres of land adjacent to the mills, and the plans are to double the capacity as seen in the demand for goods will justify such a step.

The mill village is a revelation to the ordinary beholder. Fifty houses have been erected for the use of the employees, no two alike, and every one equipped with a splendid kitchen range, bath room and screened doors and windows. The village is situated on the National highway just to the north of Gaffney and a beautiful view of the mountains in the distance lends variety to the scene. Every house will have a plot of land upon which may be grown vegetables of the garden variety, and every family who keeps a cow will have the privilege of using a cow house which has been provided by the company. A series of automobile houses have been erected which those of the employees who have cars may use absolutely free of rent. Indeed the only expense which the employees will be put to is to board themselves and to pay for the water and lights.

The man who conceived this model mill and village is E. R. Cash, who may be termed the pioneer mill man of Gaffney. He came here twenty-seven years ago when there were two bars and two stores in

Gaffney, and assisted in building the Gaffney Manufacturing Company's mill of which he was later superintendent. Later he built and equipped the Limestone and Hamrick Mills, both of which he superintended until the first of August, 1919, when he resigned to build the Cash Mills. The wonderful success which the Limestone and Hamrick Mills has enjoyed was due in no small measure to Mr. Cash's initiative and enterprise. Not only has Mr. Cash been a successful mill man, but he has served Gaffney on the city council, board of public works and school trustee, and to him belongs the honor of organizing the first mill school in Gaffney, out of which grew the Cherokee Avenue Church which now has a membership of more than four hundred. Mr. Cash was ably assisted in building the mills by J. O. Sparks, who came to Gaffney from Great Falls last August.

Could Call Halt in Further Hosiery Cuts.

It is now generally conceded that price cutting is not the ultimate thing that is going to bring business in the hosiery market. Several manufacturers have put their lines on a price basis that, by them, is considered to be one that will promote business, and in a small way such prices have brought a certain amount of orders.

In the long run, however, it has generally been found lately that goods offered at profit killing figures do not sell any faster than goods held at better figures. Apparently second hands and retailers are determined to move their higher priced merchandise out completely before they think of buying any new hosiery. In other words, as someone has put it, "they are not willing to average their profits."

Some hosiery manufacturers are still not inclined to offer their lines in any definite way. They feel that they cannot make prices that are certain enough for them to operate safely and yet assure their customers their usual certainties. On the other hand, there are mills that have wanted to create a demand for their goods and have cut their prices to such a basis that they have, as stated, moved enough goods to insure the operation of their mills.

Not a few mills are reported to have refused to accept selling prices named by agents and have closed rather than try to operate on the price basis that some agents feel that hosiery must be priced at in order that goods can be sold.

Generally speaking, the hosiery market is stagnant and lifeless. No flurry of demand rustles the dead calm of the market, and there is no one that can be found who is willing to venture either a guess or a prediction as to when anything like a normal stability will prevail in that market.

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Diamond Match Co., Savannah, Ga.	Thatcher Spinning Mills Co., Chattanooga, Tenn.
Flint Mfg. Co., Gastonia, N. C.	

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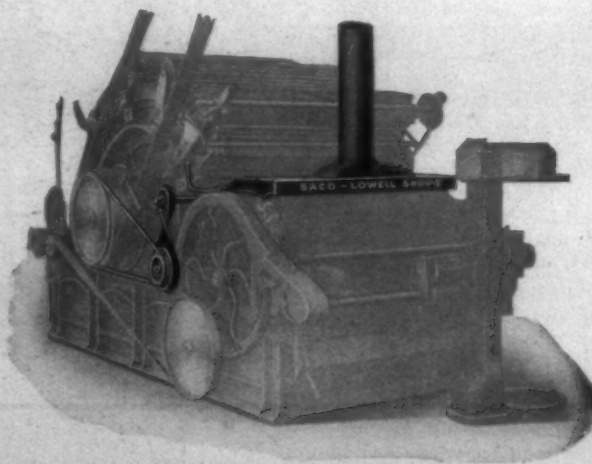
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Invents Improved Spinning Apparatus.

Edward Austin Watson, of Greenville, South Carolina, has invented a new and useful improvement in spinning apparatus, of which the following is a specification.

This invention relates to spinning apparatus and particularly to a device for controlling spinning machines to cause them to operate for producing a preliminary winding near one end of a bobbin or receiver and thereafter a main winding on said receiver.

An object of this invention is to produce novel means for causing the ring rail to move in a short traverse while the preliminary winding or short stroke is being installed on the receiver or bobbin and for automatically changing the traverse of the ring rail to apply the main or service winding.

A further object of this invention is to provide novel means associated with and auxiliary to builder motions now in common use, thereby making it possible by such association to produce the desirable results without changing standard constructions and by mechanism which can be attached to builder motions now in common use without materially increasing the cost.

A further object of the invention is to produce novel means for utilizing mechanical parts of a builder motion for actuating the control of the preliminary winding and for restoring the elements of the builder motion to normal position to direct and produce the main winding operation.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views and in which—

Figure 1 illustrates a sectional view of a fragment of a spinning machine showing a device embodying the invention in elevation;

Fig. 2 illustrates a view at right angles to that shown in Fig. 1;

Fig. 3 illustrates an enlarged detail view of the builder arm with the invention applied thereto;

Fig. 4 illustrates a plan view of one end of the builder arm with the device in operative position;

Fig. 5 illustrates a similar view showing a different position of the parts;

Fig. 6 illustrates a face view of the builder cam and the short stroke cam;

Figs. 7, 8 and 9 illustrate perspective views of details of the device;

Fig. 10 illustrates a view in elevation of a wheel for operating the device; and

Figs. 11 and 12 illustrate modified constructions of mountings for the attachment.

In these drawings 15 denotes a frame of a spinning machine, 16 the ring rail, 17 the lifting rod, 18 a shaft, 19 a jointed arm for operating the lifting rod, 20 a segment for

partially rotating the shaft 18, 21 a chain connected to the segment and to the builder arm 22 which parts are of ordinary construction and well known and need not be described in detail. It is believed unnecessary to further describe the operating parts associated with the builder arm except those which constitute improvements forming the subject of this invention.

In carrying the invention into

practice I employ the usual builder cam 23 and attach to it or mount on a shaft with it, a short stroke cam 24 which is of considerably less diameter than the builder cam.

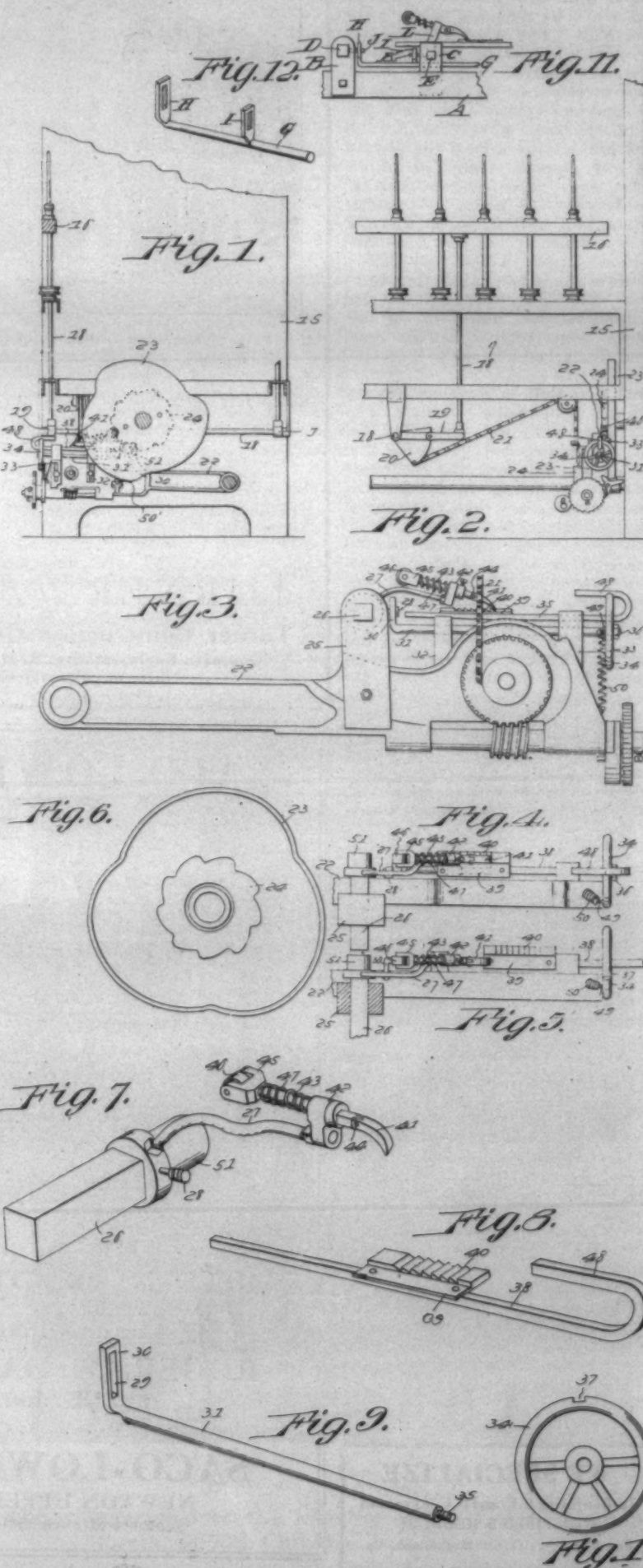
The builder arm in the present embodiment of the invention is supplied with a post 25 in which a shank having an arm 27 anchored to it so that the arm 27 is movable laterally of the builder arm. The shank also has a pin or stud 28 connected to it, which stud enters a slot 29 in the head 30 of the shaft 31, which shaft is rotatable in brackets 32 and 33 carried by the builder arm. The shaft has a wheel 34 applied to the threaded end 35 of the shaft 31 and the wheel is held on the said shaft by a nut 36 so that the wheel may be operated to rotate the shaft. The periphery of the wheel 34 has a notch 37 for a purpose to be presently explained.

The brackets 32 and 33 also constitute guides with relation to which a bar 38 is slidable and the said bar carries a plate 39 having ratchet teeth 40 on its upper surface near one edge. The ratchet teeth 40 are engaged by a ratchet 41 carried by the arm 27, it being shown that the outer end of the said arm has a sleeve 42 attached to it in which a deciprocating rod having the ratchet 41 pivotally connected to it as at 44, whereas the opposite end of the said rod has a head 45 in which an anti-friction roller 46 is rotably mounted. A spring 47 is interposed between the sleeve 42 and the said head 45 and is operative to urge the head away from the sleeve.

One end of the bar 38 is bent back on itself to form a hook 48, the said overlying portion of the bar being adapted to enter the notch 37 in the wheel 34 to hold the shaft 31 in position where the arm 27 will support the ratchet 41 in operative relation to the ratchet teeth 40.

The wheel 34 has a stud 49 to which a spring 50 is connected, the opposite end of the said spring being anchored to the builder arm so as to exert a pull for partially rotating the wheel 34 when it is released by the overlying portion 48 of the rod 38.

The builder cam, under ordinary operation, rotates on the roller 50 by which the builder arm is oscillated, but in order to move the builder arm in relatively short sweeps, the shank 26 has an anti-friction roller 51 rotatable on its end which is adapted to be moved into engagement with the short stroke cam 24 at the same time the ratchet 41 is moved to align and operate in conjunction with the ratchet teeth, and the said roller 51 and arm 27 are moved together with the shank 26 under the influence of the shaft 31. The anti-friction roller 46 and the roller 51 are both engaged by the short stroke cam when the shaft 26 is moved longitudinally of its axis and when the parts are in the position shown in Fig. 4, and when in such position the short stroke cam will successively move the ratchet 41 in engagement with the ratchet teeth and force the bar 38 longitudinally of its axis until the portion 48 of the bar disengages the wheel 34, this permitting the spring 50 to partially rotate the said wheel and consequently the shaft 31 which will cause the



shank to oscillate in its bearing and carry the parts to the position shown in Fig 5 of the drawing when the roller 51 and anti-friction wheel 46 will be disengaged from the bunching cam and permit the builder arm to swing to take motion from the builder cam throughout its surface, it being understood that when the short stroke cam engages the roller 51, the builder arm cannot swing upwardly to take the full motion which is ordinarily imparted to it by the builder cam.

From an inspection of the drawing, it will be apparent that this device can be attached to builder arms now in common use and that it constitutes a simple attachment for reducing the traverse and that it is comparatively inexpensive owing to the fact that the ordinary builder cam can be supplied with the short stroke cam without impairing the utility of the builder cam.

In the modification, the builder arm A has posts B and C attached to it, the former of which has a shank D slidable in it and the latter of which has a shank E slidable in it. The shank G has two upstanding portions H and I with slots therein for the reception of the studs J and K respectively, one of which projects from the shank E. The shank D will have a roller on it similar to the roller 15 whereas the ratchet operating mechanism is mounted as will clearly appear. The shaft G in this form will be operated by and under the control of mechanism similar to that heretofore described and need not be further referred to. This modification is provided as showing another method of carrying the ratchet and its operating mechanism and it might in some instances be preferred to the other form.

It is claimed:

1. In a traverse controlling mechanism for spinning machines, the combination with a builder cam and a builder arm, a traverse controlling cam auxiliary to the builder cam and carried thereby, a rotating member mounted on the builder arm adapted to engage the second mentioned cam, an escapement controlled by the second mentioned cam, means for holding the roller and escapement in operative relation to the second mentioned cam, means whereby the escapement causes the release of the said means, and means for moving the said roller and escapement out of operative relation to the said second mentioned cam.

2. In combination with a builder cam, a traverse controlling cam carried thereby, a roller adapted to engage the second mentioned cam, means for oscillatingly supporting the roller with relation to the builder cam and the said second mentioned cam, an escapement operated by the second mentioned cam, and means whereby said escapement releases the rotatable member for permitting the disengagement of the said roller and the said second mentioned cam.

3. In combination with a builder cam, a traverse controlling cam carried thereby, a roller adapted to engage the second mentioned cam, means for oscillatingly supporting

the roller with relation to the builder cam and the said second mentioned cam, a rotatable member operative to move the said roller, means for holding the rotatable member in position to retain the roller in operative relation to the said second mentioned cam, an escapement operated by the said second mentioned cam, means whereby said escapement releases the rotatable member for permitting the disengagement of the said roller and the said second mentioned cam, and means for partially rotating the rotatable member to carry the roller out of engagement with the said second mentioned cam.

4. In a traverse controlling mechanism for spinning machines, the combination with a builder cam, a builder arm in operative relation to each other, a traverse controlling cam carried by the builder cam, a shank mounted to oscillate transversely of the builder arm, a roller mounted on said shank to engage the second mentioned cam, a rotatable member for moving the shank in its bearing to carry the roller into and out of operative relation to the second mentioned cam, a member slidably mounted with relation to the builder arm, means on said member for holding the rotatable member in a set position of adjustment, and means operated by the said second mentioned cam for releasing the rotatable member when the second mentioned cam has operated a predetermined time.

5. In a traverse controlling mechanism for spinning machines, the combination of a builder cam and a builder arm in operative relation, a traverse controlling cam carried by the said builder cam, brackets detachably connected to the builder arm, a rotatable member journaled in the brackets, a shank slidably mounted on the arm, means for communicating the motion of the rotatable member to the said shank, a roller on the said shank adapted to be engaged by the said second mentioned cam, means for operating the rotatable member in one direction, means for temporarily holding the rotatable member against movement, and means operated by the second mentioned cam for releasing the said member.

Exhibits at Textile Show

J. Kirk Rowell Company will occupy Spaces 259, 260, 271, 272, 261, 270, 279 and 262, and will show the lines of the companies which they represent in the South which include: Kron Scales, Steubing lifting trucks, Zering Warehouse trucks, Revolver tiering machines, H. & H. storing cabinets, Columbus all steel doffing and roving boxes and trucks, Canton portable trucks, Morris canvas baskets, and Handy dudy truck. J. Kirk Rowell, W. P. J. Mills and T. J. Lag will be present. Mr. E. Ohneel, president of the American Kron Sale Company, will also be present.

The Seydel Manufacturing Company of Jersey City, N. J., will occupy Booth No. 274 at the Southern Textile Exhibition, to be held in Greenville, S. C. This company manufactures the well known prod-

ucts sold under the trade-mark name of "Sizol." These are known to cotton mill men as chemical sizing compounds, each and every one designed to fill its purpose with economy and efficiency. It is claimed that Sizol products are standards of their kind, and are recognized by the trade in general, the sale of same extending even to European mill centers. Their Southern agent, Mr. S. C. Thomas, who will soon celebrate his 15th anniversary as the Southern agent of the company, will be in attendance daily, and will be assisted by Mr. C. C. Clark. The president of the Seydel Manufacturing Company, Mr. Herman Seydel, also proposes to visit the Exhibition during the latter half of the week.

Textile Industrial Institute will have a space which is 10x25 feet at the rear end of the lower floor somewhat set off by itself. The railing on three sides and a wall in the rear will all be draped with "Character Cloth." At one end a loom will be weaving a beautiful pattern and the remainder of their space will be taken up in the form of a rest room with tables and chairs and desk containing samples of the cotton, a stalk of the cotton alive and in bloom, the yarn in its various stages of manufacture, and a variety of samples of "Character Cloth," in which all this exhibit will be in the hands of student weavers and salesmen, who will be prepared to explain the institution and its work and show how "Character Cloth" is made. They will also have photographs of the various ma-

chines and take orders for the goods to be mailed out direct from the mill by parcel post to the consumer.

J. Spencer Turner Company, cotton cloths and yarn merchants, with headquarters in New York, cordially invites all visitors at the Southern Textile Exposition to visit their booth in Spaces 344 and 345. They will be represented by Mr. Frank L. Walton, manager of yarn department, in the New York office, and Mr. R. M. Mauldin and Mr. S. P. V. Desmond of the Charlotte office.

Walton Advertising Agency, of Charlotte, N. C., will have an exhibit that will be well worth seeing during the Southern Textile Exposition at Greenville, South Carolina. Their exhibit will consist of everything that pertains to the question of publicity. All the art work and drawings that they will exhibit was done by their own artists. Especially attractive is their drop curtain at the back of their booth. This curtain is eighteen feet nine inches wide and eleven feet six inches deep. It is a painting of the mountains of the Piedmont section, with Mt. Pisgah in the distance, with a typical mountain road running up through the center of the picture. Their display will be found at Booth 226 second floor, where a welcome will await all visitors.

If I were offered the choice between the possession of success and the pleasure of seeking for it I would unhesitatingly choose the latter.



VOGEL

Frost Proof Closets

Over 300,000 giving satisfaction. Save Water; Require No Pit; Simple in the extreme. The most durable water closet made. In service winter and summer.

Enameled roll flushing rim bowls.

Heavy brass valves.

Strong hard wood seat.

Heavy riveted tank.

Malleable seat castings will not break.

Sold by Jobbers Everywhere

Joseph A. Vogel Co.

WILMINGTON, DELAWARE

Ruin to Farmer Seen in Present Price of Cotton.

Columbia, S. C.—To accept present market prices for cotton would involve a loss of \$1,330,000,000 to Southern planters and lead to bankruptcy, said J. Skottowe Wannamaker, president of the American Cotton Association, in a statement prepared for the Daily News Record of New York.

It is Mr. Wannamaker's assertion that the policy of the Federal Reserve Board, as announced by Governor Harding in the recent conference of the board, and a committee from the American Cotton Association, differs materially from many of the statements carried in the press relative to the meeting.

"As clearly revealed by this address," Mr. Wannamaker says, "the policy of the board is for favoritism to no especial section and to no es-

pecial line of industry, but is fair to the entire agricultural and commercial life of the nation and is clearly in line with the law creating the Federal Reserve banking system."

Mr. Wannamaker reiterated the statement made by him in previous instances, that the current crop will be the most costly ever produced. It was produced under adverse weather conditions and a great shortage of labor, he said, and added that, due to the fact that the producers were unable to compete with other industries in the wage scale, "two million negroes have left the South since 1914." Continuing, he says in part:

"At the World Cotton Conference last fall it was conceded by the leading experts from the various cotton-consuming countries of the world that there would be a pressing demand for 15 million bales of

American cotton from the 1920 crop. The non-ratification of the peace treaty and the inability of central Europe to arrange credits for the purchase of raw cotton has only temporarily delayed this demand and will in the end increase same. In 1870 America consumed only 12 pounds of raw cotton per capita. In 1917 she consumed 35 (9-10) of the clothing of the world are made from cotton. England is seriously concerned over a sufficient supply of raw cotton. Leading economists, world-wide, confirm the statement that a sufficient supply of raw cotton, once central Europe enters the market, will be of serious concern.

"Yet, regardless of all of these conditions, every known effort, by false propaganda, a combination of bear gamblers and spot manipulators, and otherwise, has been made

to beat down the price of cotton. The producers are fully posted and are in a position to protect themselves. Cotton has never shown the inflation which came to other commodities. Cotton manufacturers in America and England, due to the fact that central Europe was unable to enter the market, were able to buy the raw product at a price far below a price based upon supply and demand and at a price far below a price based upon the price for which they were selling the manufactured product. As a result, these mills earned enormous profits.


"The cotton producer is fully posted on his cotton, a world necessity. He does not ask or expect a price higher than a price based upon a price in line with the demands of the world for a reduction in the high cost of living. He will warehouse his cotton and will refuse to sell the same except upon the law of supply and demand. As a matter of self-preservation he will reduce his cotton acreage for the coming season by 33 1-3 per cent. He has at last learned the value of co-operation. The entire agricultural and commercial life of the South, including the farmer, the merchant, the banker, the business and professional man, are all solidly behind the American Cotton Association. An enormous increased acreage in small grains is now being planted. An enormous increased acreage in food and feed crops will be planted next spring. Cotton will be planted as a surplus crop.

"The manufacturers are today running on short time. They have not been in the market for raw cotton for the last three to four months. The desire of the cotton producers to adopt a course of safe, sound farming, to place the cotton-producing industry of the South upon an economical business basis, refusing to produce cotton and sell some for less than the cost of production, should certainly meet the approval of every right-thinking person, regardless of section. To adopt any other course would bring, in the long run, intense suffering to the world.

Were the South today to sell its cotton crop at the prices being offered, it is conceded by leading economists, that these prices would entail a loss of \$1,330,000,000 and this would mean that the cotton producers of the South would be forced into bankruptcy. The South realizes that it has an opportunity for coming prosperity and has decided to accept same, by refusing to sell its cotton, a world necessity, except upon the law of supply and demand, which will bring to the producers a price above the cost of production, and will comply with the statement of Governor Harding that:

"Great staple crops, the production of which extends over a period of several months, must meet the requirements of consumption for a full year and in order to prevent possibility of shortage it is desirable that there be a reasonable surplus held over from one crop pending the marketing of the next. The gradual and orderly marketing of our great staple crops is, therefore, a matter of importance, both to producers and consumers."

The Tenth Year **FEDERAL**



This is the sign of the "Tenth Year Federal." A sign significant of ten years of success in every field of truck transportation.

The fact that over fifty million dollars' worth of Federal Motor Trucks are now operating in the United States alone is an ample justification for their preference, and a concrete proof of their record of consistent performance, dependability and economy.

Federal's ten-year record of successful motor truck building is built into every truck, and has created for them a prestige among truckwise folk which is envied throughout the motor truck industry.

Ask us what Federals are doing for other firms in your line

Charlotte Motor Co.
209 South Church Street
Charlotte, N. C.

Distributors for
Federal Motor Truck Company, Detroit

Eye Witness Tells of Conditions in Russian Cotton Mill Industry.

London—Some light on what Bolshevism has done for the Russian cotton manufacturing industry is shed by Sir Charles Macara, the well known textile authority, in an interview recently with a representative of The Yorkshire Post, in which he relates the experiences of an Englishman who recently returned from Russia after residing there 28 years, during half of which time he was manager of a large factory near Moscow.

Sir Charles, who vouched for the authenticity of the story, said this man, a native of Lancashire, while in the employ of the Russian mill received as payment £3,500 per annum and during his stay managed to save a sum equivalent to £300,000.

"Now," said Sir Charles, "all his money has gone and he returned to England with only the clothes in which he stood. The mills in question carry out all the processes from cotton spinning to the finished product, and their size may be gauged from the fact that, when in full work, 17,000 persons were employed. They are filled with English machinery. As personal friends, the owners, in the endeavor to improve the position of their workers, have frequently applied to me for information concerning means for adopting English methods as regards trade unions and the like. Unfortunately, however, the process of arousing the industrial classes in Russia proved to be slow, otherwise the condition of affairs in that country might have been averted to a great extent. For obvious reasons I cannot divulge the name of my informant, but I will give his story."

Following are several excerpts from the mill manager's story, which dates from the first Revolution in February, 1917, when, "on a bitterly cold day—about 20 degrees of frost outside," the mill was stopped by the insurgents. Describing this incident, the narrator says:

"They caught a weaver and made him walk with them to town, two miles away, and would not even allow him to put on extra out-of-door clothes, not even his gloves, and compelled him to carry a red flag in front of them. Then some one called out, 'Come on now for the director' (which was myself). Another replied, 'He is ill in bed.' Some one else said, 'He is an Englishman, and we shall get into trouble with the English Consul if we touch him.' The result was that they left me unmolested."

"The mill was kept working with great difficulty up to Easter, during which time I did not once go there, being so very ill. I was away nearly three months. All the time I was ill in bed the people from the mill kept coming to see me with different reports, and asking me what they must do. After the Bolsheviks got into power they nationalized the whole industry. At every mill committees were formed. They wanted to rule the whole place, and to say which people were to stay and which were to be discharged. Then all people who had been discharged for any political crime since the

previous Revolution in 1905 had to be taken on again.

They wished me to remain as manager, but the position was invidious. We were at loggerheads the whole of the time, for they kept ordering me to do things, and interfered with the orders which I gave, and naturally I resented this, as being manager I wished to have my own way. Things went on in this way until the end of October, 1919, when a decree was published in the papers that all who had been connected with the former owners must be cleared out. I was cleared out after this decree. I asked the reason, and was told that either I would not or could not accommodate myself to the ways of the new directors. We then had a terrible time. We were starving, and the conditions of living became intolerable. It was not a question of not having sufficient to eat—we had not had sufficient. We spent at the rate of 40,000 roubles a month (£4,000 pre-war rates).

"After the mill had been stopped for a time they tried to re-start it. They got a few wagons of cotton, and by scouring the country for cotton waste they managed to procure sufficient to dilute the cotton with 75 per cent of waste. The machinery is now in a very bad state. In fact, even if we wanted to do so, we could hardly start it properly again. Whenever machines were in any way damaged, other machines were denuded of these parts to repair them. Even if things were put straight the mills in Russia would not be able to start for a very long time. Some of the machines will have got so rusty that the machinery will not be able to be put right again. There are no clothes to be had. Hardly any one has more than he stands up in. Clothes have been exchanged for food. When we came away spotted fever was rife, because the people were in want of the necessities of life. Nothing was wasted in the way of food. Even potato peelings were utilized, being put through a mill and ground up. People are dying from lack of the necessities of life. Until there are better transport facilities there can be no improvement, and there are very few locomotives in working order."

"If England and other countries refuse to trade with Russia the people will die. In any case, the Bolshevik Government will have to go sooner or later. If the Bolsheviks go there might be some hope. I think there ought to be a monarchy again. A very large number of the present population of Russia cannot survive unless this Government is put out of existence, and even then, and if help is rendered, it will take 10 years to put Russia straight. Moscow is a perfect wreck, with not a single hotel. All the big houses are commandeered for Government purposes or for the scum of the country. My employer had a very large picture gallery, which the Bolsheviks took, and then put him in charge as caretaker!"

Sir Charles Macara added the comment that "it is doubtful whether there are now more than 200,000 or 300,000 spindles running in Russia, although before the war there were 9,000,000."

We cordially invite you to visit our booth at the Convention at Greenville—you will find us at spaces 119-22

What!

Oil to go higher?

Scientists say the peak of oil production has been reached and that further increases can be expected.

But you needn't worry—

Your Mill's Lubrication Cost can be lower than "Before the War" if you use economical



Oil, dripping and spattering all over floors, machines and goods in process of manufacture, is always wasteful and expensive. But today, it is doubly so—and NON-FLUID OIL clinging closely to each bearing and giving positive lubrication until the last drop is actually used up—NON-FLUID OIL is today more economical than ever.

Then, too, NON-FLUID OIL lasts longer in bearings and need not be replaced so often as wasteful oil—saving much of the labor spent in frequent oiling. And prevents oil stains.

Write today for testing samples and Bulletin on Lubrication of Textile Machinery.

New York & New Jersey Lubricant Co.

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Ample Stock at Our Branches:
Atlanta, Ga. New Orleans, La. Charlotte, N. C.

Most of the mills have been lying in such a bad state, he said, that it is improbable many of them will be able to start again. Textile machinists in England, he said, have in almost impossible task in coping with the four and a half years' stoppage of repairs in the world generally, together with the natural increase of 4,000,000 spindles per annum, "and they are not likely to go to Russia for work when the needs in England cannot be met."

Seven Thousand Bales of Cotton Burn.

Cameron, Tex.—Loss estimated at one million dollars was caused by fire here Sunday which destroyed 7,000 bales of cotton and the compress and warehouses of the Cameron Compress Company.

Officers and the watchman employed at the compress expressed the opinion that the fire was of incendiary origin.

The compress was protected by insurance, but farmers who had cotton in storage, are expected to lose heavily. The compress was owned by A. J. Rosset, of Waco, who lost another press by fire at Quanah less than a month ago.

The Rockdale fire department came to the assistance of local firemen and aided in saving 1,500 bales of cotton.

The San Antonio and Arkansas Pacific Railroad lost 327 flat and 437 compressed bales and the Santa Fe 27 flat bales and 147 pressed. Twenty-seven cars were destroyed.

Authorities are investigating a story that an automobile was seen near the press and driven away at high speed just before the flames broke out.

The Foreign Trade Responsibility of American Cotton Manufacturers.

(Oscar K. Davis, Secretary National Foreign Trade Council, New York, before meeting of National Association of Cotton Manufacturers.)

Sir Charles Macara, president of the Master Cotton Spinners' Federation, made the statement in 1913 that there were 750 million people half clad and 250 million not clad at all. The war certainly put more people in rags. On account of the still unsettled conditions of Central Europe, Great Britain is the only European country whose cotton manufacturing industry is rapidly approaching its normal output. The demand for cotton goods abroad has, therefore, up to the present been abnormal and American manufacturers have been feasting on a very profitable trade that was forced upon them without their asking. But this condition will soon no longer prevail. The cotton manufacturing industry of Europe is rapidly approaching its pre-war output and soon America will be faced by the fiercest competition in the cotton buying markets of the world.

China, India, the Near East, the Straits Settlements, Africa and South America are such vast fields, susceptible of immense development as markets for American cotton goods, that they are worthy in every way of the most serious consideration of our manufacturers. Great

Britain, Japan, Italy and Germany are devoting their best energies to securing the trade, and only a systematic campaign laid out on broad lines can successfully meet the competitive conditions that prevail in foreign markets. The manufacturer who attempts to enter the field in a half-hearted way, selling only such goods as he cannot dispose of at home, or going into the export field when domestic conditions are bad with the certainty that he will neglect it when conditions are good, might just as well never make the start. The manufacturer can hope to succeed in foreign markets only if he follows out the principles that he considers vital or success in the home markets; viz., he must be determined to enter the field permanently, to build for the future rather than the present, to make every possible concession in the beginning in order to introduce new and untried lines, and carefully to cultivate the trade by sending abroad proper representatives.

American cotton manufacturers must be willing to produce goods to suit the requirements of the people they wish to obtain as customers. If America expects to reap the benefits of the world-wide demand for cotton goods and to establish permanent markets for her surplus, she must produce the goods which the people want and which are in demand in the foreign markets.

When we have learned the requirements of the markets there remains the problem of introducing the goods along systematic and economic lines. Quick or profitable returns cannot be expected from a new venture. In fact, in the beginning it will be necessary for the manufacturer to make concession in order to induce the dealers to accept American goods in place of those which they are buying.

Up to recent years no country in the world could compete with us in sheetings and drill. So strong was the hold of certain American houses in the markets of the Near East, Africa and Manchuria that the trade in cotton goods was exclusively in their hands. In the Near East even to this day, the sheetings are known as "Cabots," the name of an American manufacture who formerly exported to this market. But a strong demand at home and neglect of foreign markets, the ineffectiveness or indifference of commission houses, the development and marketing of inferior imitations, but at a much lower price, by our competitors such as Japan in the Far East and Italy, Austria and Germany, before the war, in the Near East, and the failure of manufacturers to carry out sustained and energetic selling campaigns of their own, caused us to lose practically our entire trade in these lines. Foreign customers, like customers at home, will purchase their supplies where they can get them at the lowest prices and on the best terms. Even if the American manufacturers can furnish goods at as low a price as the manufacturers of other countries, the conditions upon which they are offered must be as good as those which obtain elsewhere. Before we can get our just

share in the world trade of cotton goods, we must radically reform our methods of sale and distribution.

It is impossible to expect adequate promotion of the American product in foreign markets by the nationals of countries in competition with us and it is always advisable to use American agents for the extension of the trade abroad. The Webb law, however, allows the establishment of a more adequate method for the development of foreign trade. Under this lay any number of mills could combine together for export. Such a combination would handle the sale in foreign markets of the goods of the members, attend to all matters of shipping, financing, exchange and collecting. It could also establish branches in foreign countries and more adequately steady the markets for its goods. Under such a plan the interest of the manufacturer would be better looked after than by an exporting firm that handles many lines, an economy of distribution would be effected, a close watch could be kept on demand and supply and provision be made for meeting changing conditions.

Before American trade in foreign markets can attain its full development, the interest of the manufacturer must extend beyond the sale of the goods to the exporter in New York. There is a rather widespread ignorance among manufacturers as to the requirements of foreign markets and the proper methods to be adopted in building up our export trade. An active campaign of inquiry and study must be inaugurated before definite results can be expected.

Our industrial development, which has progressed so steadily and rapidly during the last half century, reached its climax in the war period. The situation of which Alexander Hamilton dreamed when he wrote his report on "Manufacturers" has been achieved. We have attained the degree of production where we must either sell largely and continuously abroad, or endure stagnation and disaster at home. We must cease to produce with an eye solely on domestic markets and the lurking thought that any surplus unsalable here may be disposed of abroad, and turn deliberately and steadily to production for export and to the energetic and intelligent sales campaigns abroad which will enable profitable disposition of such products. We must not only study foreign markets to arrive at an understanding of their needs and the possibilities in them for the consumption of American manufacturers; we must study American productive enterprise in order to see what it can produce for sale abroad.

We have built up a huge balance of exports in the last five years. It is going to be paid for by imports. We are going to buy more from other countries than we have ever bought before. The process is well under way already, as the mounting figures on our imports month by month continue to show. As we buy more from foreigners, we enable them to buy more from us, and in the successful development and continuation of this process lies

the great hope, if not the only hope, of the steady employment of our workmen, the steady operation of our mills and factories and the continued maintenance of prosperity in the United States.

Postpone Board of Governors Meeting

The meeting of the board of governors of the American Cotton Manufacturers Association, which was to have been held in Greenville on Tuesday of next week has been postponed and will be held in Charlotte two weeks later. Several important business matters and crowded hotel conditions due to the Eex-tile exposition were given for the reason of the change in date.

Curtailment at Rock Hill.

Several of the mills at Rock Hill, S. C., have just adopted a curtailment schedule.

The Hamilton-Carhartt Mill will be closed for at least two weeks.

The Wymoja Mill will close next week for a two weeks' shut down.

The Helen Mills will close for two weeks.

John T. Woodside Gives Furman University Scholarship.

The following items from the current issue of "The Furman Hornet," will be of interest in this section:

"Mr. John T. Woodside, of Greenville, provided a generous scholarship for Greenville county in a recent gift of \$5,000 to the University. The beneficiary of this scholarship will be designated by Mr. Woodside during his lifetime and ultimately will be designated by the University. Mr. Woodside gives this in honor of his father who was a notable citizen of Greenville county. Mr. J. H. Woodside, Jr., has the honor of being the first man to enjoy the advantages of this scholarship."

Improved Rice Dobby Chain



reduces broken bars to a minimum because the wire eyes do not break into the side walls of the peg holes. The eyelets are fastened so securely that they cannot work loose.

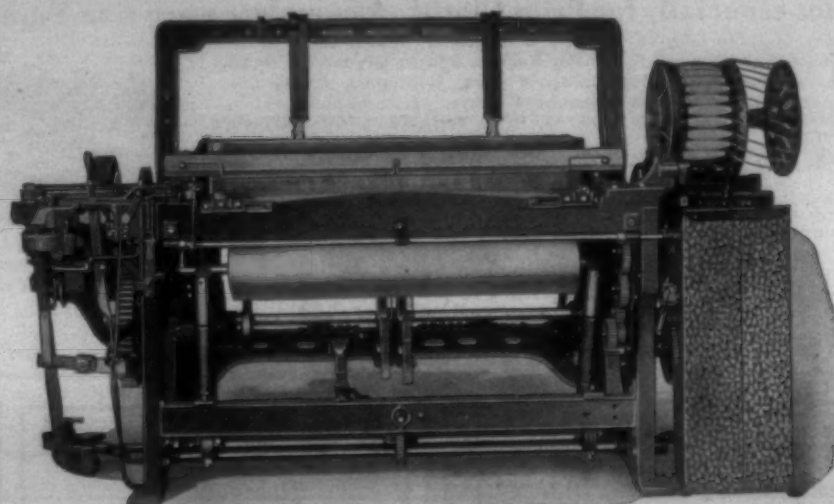
Rice Dobby Chain Co.
Millbury, Mass.

Send Us Your Order Today

Machinery For SALE

For Sale 6 Fales & Jencks Twister, 2-inch ring. 4 Universal Winders, tube, cone and paralleling attachments. 1 17-K. W. Generator, 1 19-K. W. Generator and 1 7½-K. W. Generator, all prices low.

Hunter Machinery Co.,
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Automatic Looms

WITH BATTERY,
WARP STOP MOTION,
FEELER AND SHUTTLE LOCK

(Randolph Crompton's Patents)

Fewer Parts

Standard Construction

Rebounding Shuttles Overcome
Damage to Shuttles and Bobbins Reduced

Mason Machine Works

TAUNTON, MASS.

E. HOWARD, Southern Agent, GREENVILLE, S. C.

TALLOW—OILS—GUMS—COMPOUNDS

TEXTOL. A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Ready-made eavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS.

FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

The Arabol Manufacturing Co.

Offices: 100 William Street, New York.

Southern Agent: Cameron MacRae, Concord, N. C.

R. P. GIBSON, South Carolina Agent, Greenville, S. C.

ALSO HOSIERY FINISHING AND BLEACHINGS



Factories: Brooklyn, N. Y.

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AMERICAN TEXTILE BANDING CO., Inc.

Manufacturer

Spindle Tape
AND
Bandings



Belfield Ave. and Wister St., Germantown, Phila., Pa.

SYDNOR PUMP & WELL CO.

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Supplying Cotton Mills with
Water for 30 Years

ENGINEERS PLANNING POWER TRANSMISSIONS

Secure Data and Estimates of "MORSE" DRIVES

SAVE Construction, Space, Light, Fuel, Producing More with Less.

MORSE CHAIN CO., ITHACA, N. Y.

Engineering Services, Assistance, Bulletins

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Standard Size of the South

The higher the cost of labor, and the higher the cost of raw materials, the more essential it becomes to have the Slasher-Room on an efficient basis. We cheerfully furnish to all interested our Slasher Efficiency Test Blanks.

THE SEYDEL MFG. COMPANY

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Sizings

Softeners
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Manufacturers of O. K. PRODUCTS

O. K. TALLOW
SOLUBLE OILS

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IF YOUR SPINNING IS NOT PERFECT, WE CAN IMPROVE IT

National Ring Traveler Company

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SOUTHERN REPRESENTATIVES:

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MANUFACTURERS OF

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PROMPT SHIPMENTS RIGHT PRICES

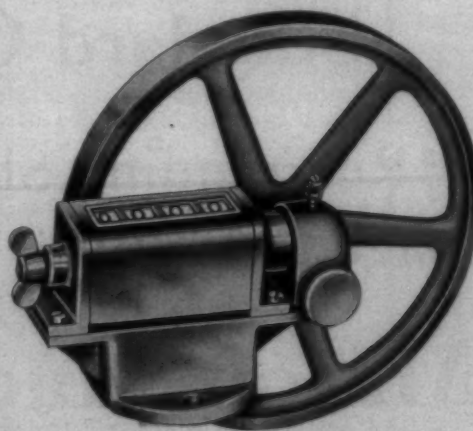
The Near-at-hand Battle of Costs

When you manufacture to a reduced selling price the vital problem is *costs*, and how to reduce them by constructive handling of the main cost—LABOR.

By following closely the production of each operative, setting standards or tasks, checking-up with

Veeder COUNTERS

you can reduce production-costs and save profits from shrinkage with the selling price.

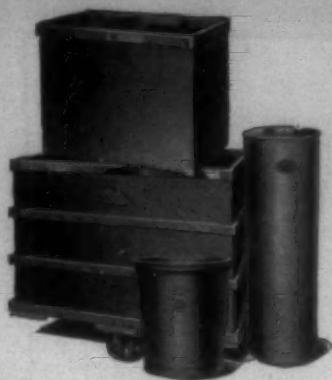


The Set-Back Yardage Counter at Left measures the yardage of output of finishing and other machinery, where makeshift devices or expensive measuring instruments have been used. The straight-face friction wheel $\frac{1}{2}$ yard in circumference is geared so it measures in units of one yard. The counter reads in plain figures, and can be set back to zero from any figure by turning knob once round.

The new large model of Loom Counter and Hank Counter is also shown in the Veeder textile counter booklet—besides Braider Counters, Lineal Measuring Counters and others. Copy Free to mill men.

The Veeder Mfg. Co.

63 Sargeant St.
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THEY STAND THE GAFF FOR YEARS. Laminar Mill Receptacles are as smooth as paper, as strong as iron and as light as wood. They will not rust or corrode. In fact, there doesn't seem to be any wear-out to them. They are made of Vul-Cot Fibre—it's as tough as horn. These Laminar Mill Receptacles are made in the form of trucks, doffing boxes, roving cans and all sorts of special boxes, cans and trays.

REMEMBER THAT

Laminar Mill Receptacles that were turned out 25 years ago are still on the job in some of the largest industrial plants in the country. These are the receptacles you want in your place. Let us send prices and illustrations. Your name and address on a post card will do.

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Bleachers Blue, That Correct Tone

which appeals to the experienced eye of the buyer of white goods is produced by using Marston's Bleachers Blue. Costs no more than the "just as good" and will give the results desired

Fast and Uniform

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OUR SPINNING RINGS---SINGLE OR DOUBLE FLANGE

Start Easiest, Run Smoothest, Wear Longest!

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Manufacturers Robert's Roving Clamp and Spinning Frame Cleaner.

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Iron, Brass and Aluminum Castings.

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FOR SIZING SLASHOL

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WHAT ELSE---When it is the only sizing agent that is absolutely neutral, and needs the assistance of no other compound, oil or tallow. Will not allow the size to chafe or shed, and will increase the tensile strength of the yarn.

You Can Keep in Touch

with events at the Exposition
every hour, as you keep in
touch with the mill business
every week—through

The Southern Textile Bulletin

Booths 227 and 228

David Clark, Managing Editor	B. A. Lowrance, Associate Editor
J. M. Woolley, Business Mgr.	C. E. Hobbs, Advertising Manager
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50 Laconia Car Co. com
30 Farr Alpaca Co.
50 Library Bureau pfd
100 Lincoln Mfg. Co.
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10 Cornell Mills
40 Edwards Mfg. Co.
100 Stafford Mills
50 Lanett Cotton Mills
40 Sanford Mills
40 Goodall Worsted Co.
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10M Indianapolis Water 5s 1926
5M Mexican Light & Power 5s 1933
1000 Pneumatic Scale Co.
1000 Arms Palace Horse Car Co.
50 Atares Wharf & Warehouse
5M Tampa Northern Ry. 5s 1936
5M Pensacola Elec. 5s 1931
100 American Cynamid pfd
100 Massachusetts Breweries
25 United Elec. Securities pfd
50 Fairbanks Morse Co. pfd
5M Dayton Covington & Piquas 5s
10 Atlantic Coast Company

FOR SALE

15 Gillette Safety Razor Co.
100 Lancaster Mills
20 Lawrence Gas Co.
10 Kinney Mfg. Co. pfd
17 Great Falls Mfg. Co.
25 Hamilton Mfg. Co.
10 Lamson Hubbard pfd
14 Taber Mill
50 Home Bleach & Dye com
25 Springfield St. Rys. pfd
10 Naumkeag Steam Cotton Co.
100 Worcester Consol. St. Ry.
20 Savannah River Lumber pfd
10 Soule Mills
50 Worcester Gas Light Co.
38 Davis Mills
30 Booth Mfg. Co.
10 Monadnock Mills
10 Nonquitt Spinning Co.
100 American Hosier Co.
10 Dartmouth Mfg. com.
5M Guanajuato Pow. & Elec. 6s 1932
5M Michoacan Power Co. 6s
50 Canadian Conn. Cotton com
100 Boston Worcester St. Ry.

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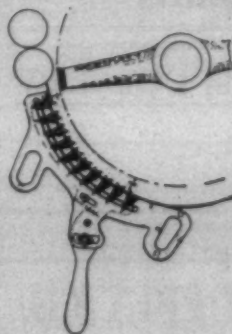
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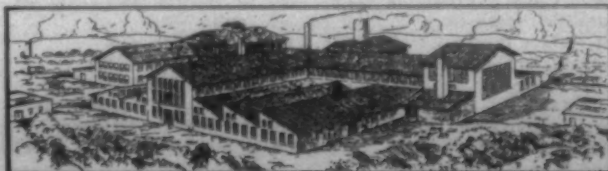
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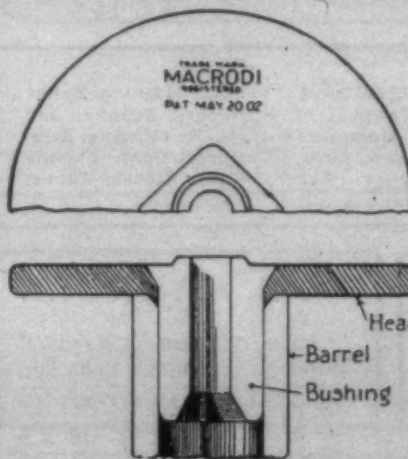
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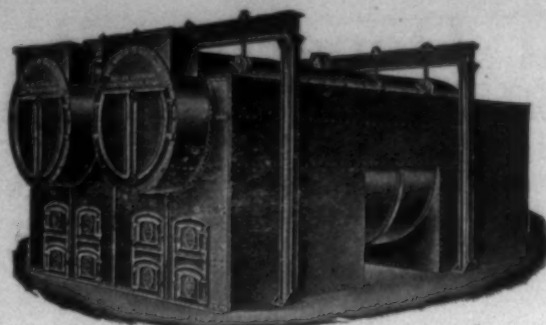
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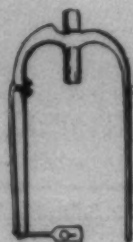
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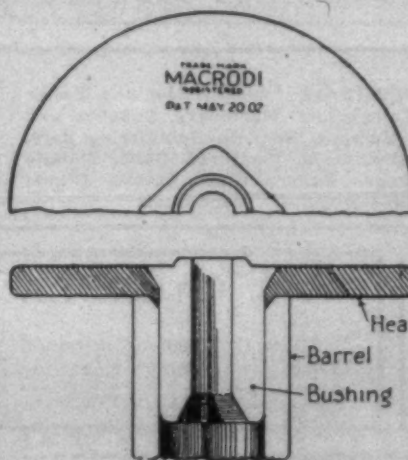
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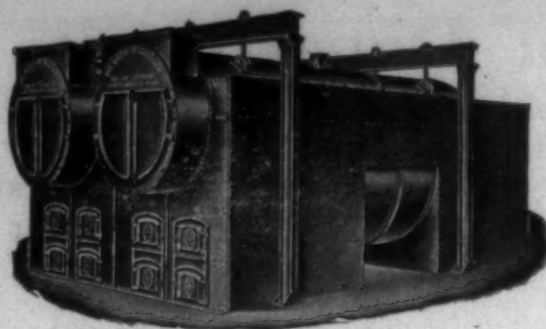
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Want Department

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the Southern Textile Bulletin affords the best medium for advertising the fact.

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One cylinder slasher complete for sale at most reasonable price. Can be seen running now. Come to or write Blair Mills, Belton, S. C.

For Sale.

Scott Yarn Breaking Strength Tester Hand Machine in excellent condition. Address Box No. 987, Charlotte, N. C.

Filter Profits

Clear, Clean water in ample volume for the mere cost of pumpage with

NORWOOD FILTERS

Inquiries invited

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We are pleased to advise that our business so far this year has DOUBLED and Then Some over 19. WHY?

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Your mill supply house will furnish you MI CLEANSER, or order direct from the factory

Champion Chemical Co.

Charlie Nichols, General Manager
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The character of a man is his principles drawn out and woven into himself.

SUPERINTENDENT SEEKS EMPLOYMENT.

A young man with family who has had two years' experience as superintendent of one of the best small yarn mills in the South is open for employment and will gladly refer any one interested to his employers. The combining of two plants under one management forces a change.

Officials interested in employing a Superintenddnt with college education, a record for results, and a good disciplinarian, please address Supt., care Textile Bulletin.

Card Room Overseer Wanted.

Man with clean, successful record behind him, who is well educated, good disciplinarian, a hustler for production—has an opportunity to connect with a modern, up-to-date mill run by a bunch of live wires. Booze fighters and loafers save time and postage. Address B, care Southern Tertile Bulletin.

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Free Service Department

Any mill in need of superintendent, overseer, second hand, loom fixer, card grinder or any class of men other than operatives may insert a notice in this column for two weeks, free of charge. If the name of the mill is not given and the answers come care Southern Textile Bulletin, the cost of stamps used in forwarding replies must be paid by the advertiser.

Male Stenographer.

Man about 30 years old. Married preferred, to do stenographic and general office work. Position is in large Georgia cotton mill. Address "Stenographer," care of Textile Bulletin.

Wanted:

A strictly first-class cloth and finishing room overseer, who has had experience handling colored goods. State full particulars in first letter, giving age, experience, whether married or single and references. Address "S. C. M.," care Southern Textile Bulletin.

Band Instructor

Wanted by small yarn mill, instructor for band of 15 instruments to instruct band and also work in the mill. Address Tifton Cotton Mills, Tifton, Ga.

Master Mechanic.

Want Master Mechanic to take charge of work in new mill to be operated by electricity. State experience. Address New Mill, care Southern Textile Bulletin.

Dyer.

Want good experienced dyer for new mill making blue chambray. Give experience and particulars in first letter. Address New Mill, care Southern Textile Bulletin.

For SALE

"On account of change in construction we offer for immediate delivery the following machinery:

- 12 F. & J. twisters, 240 spindles, 1 3/4 inch rings, 2 3/4 inch space
- 1 F. & J. twister, 240 spindles, 1 5/8 inch rings, 2 3/4 inch space
- 2 F. & J. twisters, 176 spindles, 2 1/2 inch rings, 3 1/2 inch space
- 8 Universal winders, 6x6 tubes
- 2 Eccles screw presses
- 7 Short chain beaming frames
- 40 Fancies for 40 inch Saco-Pettee cards
- 4 4x5 Easton & Burnham spoolers
- 2 80 spindle Foster winders for 6 inch tubes

All of this machinery is in first class condition and most of it can be inspected running.

Bargain prices for quick delivery.

Blue Buckle Cotton Mills

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E C O Watchmans' CLOCKS

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ECO CLOCK CO. Sou. Dept., 403 Walton Bldg. Atlanta, Ga.

The Yarn Market

Philadelphia—There is still no stability to cotton yarn prices. There is no little business being done that sellers can only guess what the quotation should be for many numbers. In many cases offerings at low prices do not interest consumers and where there is competition for orders dealers often find they are underbid when they believed the prices they quoted about the limit. Many mills will not touch the lowest prices heard and some of these offerings are said to be for tinged stock. In this way 8s 3, a carpet number, sold at 33c to 35c as against 38c about two weeks ago. Cotton growers in the South are said to be pessimistic over the outlook for themselves. They cannot sell their cotton at prices satisfactory to them and the banks, under the Federal Reserve Board ruling, cannot loan them funds to hold the cotton.

Some of the Southern carded counts here today selling under the lowest figures they touched toward the close of the slump following the armistice. Others have reached the 1919 minimum level, and the carded section of the yarn list, taken as a whole, is now only a few cents above it.

This is chiefly the result of the steadily growing preponderance of supply over demand, according to yarn dealers. This over-supply of yarns has now reached such proportions that some yarn men say it would give no support to market prices if every spinner in the South should decide to shut down through the rest of the year.

Yarns for tire duck are absolutely a dead issue. Those for wire covering have attracted no inquiry for some time back. The market is doing barely enough business from day to day to figure losses on. Neither spinners nor weavers are paying any attention to offers of production for future deliveries, regardless of price concessions.

All of these regular outlets for yarns now have surplus stocks to sell. The same is true of export concerns. According to report, large yarn stocks intended for South American trade have been thrown back into domestic markets. On export contracts on which deliveries are still being accepted, fear of cancellation is so great that deliveries still due are being rushed, and in some cases are being anticipated by several weeks.

Such conditions, according to opinion prevalent there, appear likely to result in the near future, in all yarn prices going to the lowest level since 1917. Based on scattered sales, Southern single carded skeins and warps are already down to a general range of 42 cents for 10s, 45 to 46 cents for 20s, and 53 to 54 cents for 30s. Nothing is now heard for 40s, either single or ply, above 75 cents. Southern two-ply carded skeins and warps are reported today at 43 cents for 10s, 48 cents for 20s and 52 to 53 cents for 30s.

Southern Single Chain Warps.			
10s to 12s	46 a	24s	52 a53
14s	47 a	26s	54 a55
16s	47 a48	30s	57 a58
20s	49 a	40s	85 a86
Southern Two-Ply Chain Warps.			
8s to 10s	46 a	24s	53 a54
12s to 14s	47 a	26s	55 a56
16s	48 a	30s	58 a60
20s	48 a50	40s	80 a
Southern Single Skeins.			
4s to 8s	45 a	20s	48 a
10s to 12s	45 a46	24s	51 a52
14s	46 a	26s	53 a54
16s	46 a47	30s	57 a58
Southern Two-Ply Skeins.			
4s to 8s	44 a45	24s	51 a52
10s to 12s	45 a46	26s	54 a
14s	46 a47	30s	55 a58
16s	47 a	36s	70 a75
20s	48 a	40s	80 a
Southern Frame Carded Cones.			
8s	42 a43	22s	51 a52
10s	43 a45	24s	53 a54
12s	43 a45 1/2	26s	55 a
16s	48 a49	28s	58 a
18s	49 a50	30s	59 a60
Carded Cones, Mule Spun.			
8s	50 a	22s	58 a
10s	50 a	24s	60 a
14s	54 a	26s	62 a64
16s	55 a	30s	80 a
18s	55 a56	40s	90 a91

Cotton Developments in China.

The development of the cotton industry is one of the most outstanding industrial developments in China at the present time, and much stress has been laid on this at the Nanking University. Foreign cotton has been introduced, the seed coming mostly from the United States.

According to the data China, says the Board of Trade Journal, now ranks third in the production of raw cotton, with almost 2,000,000 bales of 150 pounds. In 1919 cotton was increased in area 30 per cent. The latest figures show a total of 1,401,566 spindles in operation throughout China, with 250,000 under construction and 250,000 more contracted for. The experiments on foreign cotton seed and its adaptability to the soil in China now being carried on will require some time in which to select the best varieties adapted to certain sections of the country, etc. Extensive experiments which have met with considerable success have also been carried on over a period of four years with Egyptian cotton in North Kiangsu. The cotton improvement work is being supported by the Cotton Mill Owners' Association of China, and the Shanghai Anti-Adulteration Association, who are providing the salary and expenses of an American cotton expert to supervise the work.

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Sworn to and subscribed before me this the fourth day of October, 1920. W. M. Bell, N. P.

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Cotton Goods

New York—Trade in cotton goods is very light and of an uncertain character on account of low levels which prices have reached. Very little business of any kind is being done and cancellations of contracts add to the confusion.

Prices have gone to such low levels in some quarters that it is believed buying may soon start. Some men think the start will come with further easing in credits, which is a development of the past week or two. Others say an increased interest will be noted within ten days in both cotton and woolen goods. But hopes are still more frequent than sales notes in every quarter of the trade and buyers have the situation so much in their favor that they are timid about acting.

In dress goods lines local jobbers say they can get no action in quantity lots. They are selling daily in a very small way and if they could get right down to the lowest prices quoted for distant replacements they believe they would do a little more. The more experienced men say they have become reconciled to doing dress goods business on a much lower range of value and at very much more restricted profits than those of a couple of months ago when they were considering prospect of a fall trade that has not materialized. Business in some houses is being held back by a refusal to extend further credits until past orders are fully straightened out and bills due are paid. There are many goods due on deferred delivery and there are constant struggles going on to retain orders on the books taken some time ago. In some quarters a better small lot trade is being done on fancies and fine cloths than on staples.

Efforts to get more business are being made quietly in some cotton goods houses handling colored cottons of the heavier and more staple descriptions. Prices have been cut and buyers from distant markets are making efforts to arrange for small deliveries. Buyers will not place orders on any goods that have not been cut drastically and they do

not show a keen interest when prices are all in their favor. The weakness in unfinished cloths continues as an unsettling factor in all lines of converting. In the absence of finished goods business converters unwilling to show interest in goods they know to be very cheap compared with probable costs of replacement this year. It does not take long to bring about a reversal of sentiment when such a condition has run on for a week or two as it has recently.

Prices quoted are: Print cloths, 28-inch 64x64s, 9½ cents; 64x60s, 9½ cents; 38½-inch 64x64s, 12½ cents; brown sheetings, southern standards, 19 cents; denims, 2.20 Indigo, 31½ cents; tickings, 8 oz., 40 cents; prints 23 cents nominal; staple ginghams, 20 cents; dress ginghams, 2 5andd 27½ cents.

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Knit Goods

Philadelphia, Pa. — The hosiery situation is wobbly; market conditions as to underwear are, if anything, worse. Heavyweight orders still are being cancelled and jobbers are threatening inroads on the trade of the direct to retailer mills. The customers of one such mill, a very large one, are insisting on rebates on the ground that jobbers are naming radically lower prices than the mill invoices show. The mill is beset with demands of this character and with cancellations as well, notwithstanding the lateness of the season. In the circumstances, it is intimated, several direct to retailer underwear mills may name spring prices earlier than was intended—prices that may be disturbing to the jobbing trade, for the direct mills are determined to hold their trade throughout the decline, as they did in the early part of 1919. Competition between jobbers and mills selling to retailers may have become a factor in the refusal of wholesalers to operate at prices which were named tentatively and firmly as well for the proposed opening last week.

An underwear mill had a quotation of 50 cents for 22s single carded, from one of four spinners ranking as the larger in their special lines. The mill did not buy. The spinner's representative was frank enough to say fine counts in peeler were headed for a fall; that long staple for tire yarns was no longer essential.

Carded yarn selling under the trade description silver gray was offered at 45 cents for 14s carded. A boys' 10-pound union suit made from this yarn is priced \$9.50, which is a dollar a dozen under what another mill making the line figures the cost.

Mercerized 60 two-ply combed peeler in second hands was offered at \$1.35, and it is related by a manufacturer that the holder of large quantities of mercerized two-ply in counts from 40 to 80 offered to sell at from 10 to 15 cents a pound under the quotation of any reputable establishment.

One difficulty which jobbers have in striving to arrive at a conclusion whether to come to market or remain out longer lies in their having cultivated a bear feeling among retailers while bearing the market for themselves as against manufacturers.

"This is a buyers' market," jobbers have been saying to mill representatives. This necessarily reached the retailers and they, too, took up the refrain, "This is a buyers' market." The consumer seems to have heard the song and he fell in with, "This is a buyers' market." As everyone but the manufacturer felt the same way, there was no buying except as a necessity, and then generally at buyers prices and on buyers' terms. The jobber has found that bearing the market for buying purposes and bulling it for selling constitutes a performance that is

liable to backfire.

Jobbers want merchandise. At heart they are on the bull side of a difficult problem, and there seems little doubt that they are giving ear to some of the new low prices, which, some buyers admit, do not represent legitimate values, in that they are too close to cost of production.

A very large operator in hosiery, who is known to have made large contracts in the last few weeks, says that if he had not bought for several months' requirements he would be placing orders, as he believes prices are at bottom, unless stagnation be so prolonged that wage scales will soften by reason of idle operatives clamoring for employment.

Jobbers are heard contending for primary market prices on low end hosiery that would put it practically in the pre-war class as to values at the counter. In other words, there is an effort to force mills to so price cheap lines that they may be sold at the popular price two for a quarter and 25 cents a pair in retail stores.

Knit Goods Manufacturers to Confer With Commission.

Washington—Notice was given by the Federal Trade Commission to manufacturers of knit goods that hearings will be held by the commission October 20 for the expression of members of the industry on the misbranding of goods, weighing of silk, false advertising, price maintenance, guarantee against decline in price and other practices complained of to the commission.

"This commission, charged under the law with the duty of preventing unfair methods of competition in commerce," it was announced, "wishes to confer with the members of your industry with a view, first, of considering a plan by which there may be a general elimination of such methods of competition as are admittedly unfair as promptly and with as little inconvenience to the trade as possible, and, second, to get the views of the members of the industry concerning the practical operation of certain methods concerning which we desire further information. Some of the methods which have been complained of are misbranding in many forms, weighing of silk, false advertising, price maintenance, guarantee against decline in price.

"Your trade associations have expressed approval of the calling of this conference and their sympathy with its objects, and will have representatives present. The discussion will be informal and all will be invited to take part.

"The conference is not for the purpose of gathering evidence on which to base complaints. The commission is not authorized by law to punish unfair methods. It is simply charged with the duty of preventing such methods."

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Charles McAbee 2d Hand Spinning
B. B. Roddy Slasher
St. Claire Smith Warper
O. R. Casey Weaver
John Rampley 2d Hand Weaving
W. H. Crocker 2d Hand Weaving
Ben Westbrooks Loom Fixer
Jeff Lee, Pink Pack Loom Fixer
R. S. McHam Loom Fixer
Raymond Phillips Loom Fixer
Frank Rogers Loom Fixer
Belvin Clayton Loom Fixer
Charlie Williams Loom Fixer
C. L. Evington Loom Fixer
O. S. Gregory Cloth Room
H. N. White Shipping Clerk

Elizabeth Mills Co.

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H. B. Satterfield 2d Hand Carding
D. A. Kelley Spinner
Luke Rape 2d Hand Carding
D. C. Bumgarner Outside Foreman
R. H. Fennell Master Mechanic

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M. Harcourt 2d Hand Spinning
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R. H. Clayton Weaver
T. A. Crawford 2d Hand Weaving
W. H. Bates Loom Fixer
J. P. Faulkner Loom Fixer
M. F. Smith Loom Fixer
R. A. Lockaby Loom Fixer
J. A. Duncan Master Mechanic

Chadwick-Hoskins Co.

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J. N. Williams 2d Hand Carding
J. A. Hinson Spinner
J. D. Hinson 2d Hand Spinning
J. M. James eWeaver
W. M. James 2d Hand Weaving
Clay Sanders Loom Fixer
Lloyd Gaffney Loom Fixer
W. B. Warner Loom Fixer
A. E. Jennings Loom Fixer
J. M. James Cloth Room
G. W. Taylor Outside Foreman
Mont Davis Master Mechanic

Howiekee Mills.

Eufaula, Ala.

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B. F. Dixon 2d Hand Carding
D. E. C. Clough Spinner
G. W. Vines 2d Hand Spinning
L. M. Cutchens Slasher
W. C. Hyder Warper
W. C. Hyder Weaver
J. C. Hughes 2d Hand Weaving
J. C. Hughes Loom Fixer
J. O. Hatfield Loom Fixer
Chas. Stonell Loom Fixer
Cliff Chambers Loom Fixer
C. C. Tharp Cloth Room
C. C. Tharp Shipping Clerk
Floyd Gill Dyer
J. W. Gill Outside Foreman
Allen Corbitt Master Mechanic

Erwin Cotton Mill No. 1.

West Durham, N. C.

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J. S. McBroom 2d Hand Carding
J. R. Jones Spinner
Joe Gay 2d Hand Spinning
W. G. White Slasher
Jeff Austin Warper
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Hogansville, Ga.

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W. H. Hartley Twisting, Spinner
W. T. Robertson 2d Hand Spinning
Joe Oliver 2d Hand Twisting
Alvin Cooper 2d Hand Warper
E. A. McGee Weaver
W. J. Dunn 2d Hand Weaving
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W. E. Daniel Loom Fixer
B. B. McKenzie Loom Fixer
M. J. Benton Loom Fixer
R. C. Birdsong Cloth Room
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I. C. Lester Outside Foreman
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Lydia Cotton Mills.

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J. P. Byars 2d Hand Carding
E. A. Harris Spinner
Edward King 2d Hand Spinning
C. B. Campbell Slasher
J. L. Wofford Weaver
E. L. Thomas Loom Fixer
M. L. Baldwin Loom Fixer
G. F. Wren Loom Fixer
R. G. Turner Loom Fixer
Abram Matthews Loom Fixer
J. B. Boyce Loom Fixer
C. L. Hairston Cloth Room
K. F. Johns Outside Foreman
C. Bragg Master Mechanic
W. T. Wolfe Cotton Grader

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Louis Swearington 2d Hand Spinn'g
John E. Wright Slasher
John E. Wright Warper
J. A. Saunders Weaver
B. B. Bearis 2d Hand Weaving
W. W. Bearis 2d Hand Weaving
Aldrich Cobb 2d Hand Weaving
W. H. Fannin Cloth Room
M. B. Smith Shipping Clerk
J. W. Stone Outside Foreman
D. W. Allen Master Mechanic
J. J. Cashin Cotton Grader

Hoskins Mill.

Charlotte, N. C.

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E. M. Walter Asst. Supt.
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J. F. Deviney 2d Hand Carding
L. B. Walter Warping, Spinner
E. C. Hannon 2d Hand Spinning
H. S. Wylie Slashing, Weaver
J. T. White 2d Hand Weaving
J. F. Faulk Loom Fixer
C. N. Collins Loom Fixer
W. L. Howe Loom Fixer
C. T. Garnes Loom Fixer
W. T. Patrick Loom Fixer
C. F. Kelley Loom Fixer
C. H. Bogan Loom Fixer
J. H. Cole Loom Fixer
O. R. McDaniel Cloth Room
Ella Harriss Shipping Clerk
J. H. Russell Roller Shop
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J. N. Wright Master Mechanic
Q. P. Hendrick Flower Yard

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A. B. Nelson Master Mechanic

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F. B. Watson Secretary
C. H. Lockman Superintendent
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J. P. Thompson Spinning, Twisting
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J. A. Cash Spinner
Sal Johnson Second Hand Spinning
G. W. Yarborough Paymaster
G. W. Yarborough Shipping Clerk
T. L. Lawson, N. C. Master Mechanic

PROGRAM OF SOUTHERN TEXTILE ASSOCIATION MEETING

Meetings will be held in Opera House.

10:00 A. M. Friday, October 22.

Address of Welcome by President of Greenville Chamber of Commerce.

Response to address of Welcome by T. W. Mullen, Supt., Rosemary Mills, Roanoke Rapids, N. C.

Address by the President, H. H. Boyd.

Report of F. Gordon Cobb, General Chairman of Sectional Committee.

Report of Textile Foundation Committee by David Clark of Charlotte, N. C.

Report of Cotton Committee, J. D. Buice, Pineville, N. C., Chairman.

Address by P. H. Partridge of Charlotte, N. C., on "Cotton Grading".

Address by John W. Clark, West Durham, N. C., on "Finishing Cotton Goods."

Luncheon at Country club. Automobiles provided to take members to club.

10:00 A. M., Saturday, October 23.

Address by Governor Cooper of South Carolina.

Address by Rogers W. Davis of Charlotte, N. C. on "The Human Element in a Cotton Mill."

Practical discussion by members.

Business session.

Adjournment.

Covington Mills.

Covington, Ga.

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W. L. Sullivan.....Asst. Supt.
W. L. Sullivan.....Carder
M. P. Batchelor...2nd Hand Sarding
Joe C. Eller.....Spinner
Will Merritte...2nd Hand Spinning
R. A. Burl.....Slasher
R. A. Burl.....Warper
R. A. Burl.....Weaver
J. L. Rowe.....2nd Hand Weaving
Fred Crawford.....Loom Fixer
L. M. Wyatt.....Loom Fixer
C. W. Parham.....Loom Fixer
J. H. Lord.....Loom Fixer
F. L. Broom.....Loom Fixer
C. C. Rowe.....Loom Fixer
J. D. Lord.....Loom Fixer
S. I. Day.....Cloth Room
J. R. Gardner.....Shipping Clerk
P. L. Lindsay.....Master Mechanic

Crawford Cotton Mills.

Crawford, Ga.

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A. S. Owens.....Carder
Will Jeder.....2nd Hand Carding
J. C. Hood.....Spinner
John Vinson...2nd Hand Spinning
J. T. Hickmand.....
Overseer Twisting and Winding
Walter Little...2nd Hand T. & W.
Will Cail.....Shipping Clerk
Ed Hewitt.....Outside Foreman
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Corley Mills, Inc.

Cumberland, N. C.

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W. M. Miller.....Carder
C. C. Culbreth...2d Hand Carding
D. D. McKinnon.....Spinner
W. O. Dean.....2d Hand Spinning
A. T. Davis.....Master Mechanic

Rankin Mill, Inc.

Gastonia, N. C.

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Walker Bridges.....Carder
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E. R. Holder.....Spinner
Lemar Rankin.....Shipping Clerk
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Spray, N. C.

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J. W. Austin.....Carder
John Hurham...2d Hand Carding
D. E. Campbell.....Spinner
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American Textile Banding Co.	100	Dunn & Co.	105	Mauney Steel Co.	107	Southern Spindle & Flyer Co.	44
American Trust Co.....	59-84	-E-		Marrow Machine Co.....	109	Southern Textile Exposition..	115
American Vulcanized Fibre Co.	44	East Jersey Pipe Co.....	38	Mees & Mees	84	Southern Textile Machinery Co.	68
Annex Hotel	89	Eco Clock Co.	106	Metallic Drawing Roll Co.....	64-105	Spartan Sizing Compound Co.	104
Arabol Mfg. Co.....	100	Emmons Loom Harness Co....	104	Metz & Co., H. A.....	26-101	Stafford Co.	116
Ashworth Bros.	111	Eureka Iron Works, Inc.....	75	Millers Indemnity Underwriters	83	Staley Mfg. Co.....	111
Atherlon Pin Grid Bar Co....	103	Farnsworth Co.	49	Minter Homes Co.	20	Standard Fibre Co.	85
Atlanta Brush Co.	109	Federal Tax Service Corp....	108	Monarch Bobbin Cleaner Co...	—	Steel Heddle Mfg. Co.....	86
Atlanta Gas Light Co.....	103	Felt & Tarrant Mfg. Co.....	29	Monroe Calculating Machine Co.	55	Stein, Hall & Co.....	9
Atlanta Paper Co.....	105	Fibre Specialty Mfg. Co.....	36	Montgomery & Crawford.....	101	Sullivan Hardware Co.....	—
Atlantic Dyestuff Co.....	—	Firth, Wm., Inc.	28	Morehead Mfg. Co.....	66	Swan & Finch Co.....	80
Allis Chalmers Mfg. Co.....	25	Franklin Process Co.	105	Morse Chain Co.....	15-100	Sydnor Pump & Well Co....	100
Atlantic Drier & Varnish Co.	48	-G-		Mossberg Co., Frank.....	—	-T-	
-B-		Garland Mfg. Co.	—	McNaughton Mfg. Co.....	104	Terrel Machine Co.....	53
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Barber Colman Co.	10-103	Georgia Webbing & Tape Co.	100	-N-		Textile Banking Co.	—
Barber Mfg. Co.	103	Greenville Spool & Mfg. Co..	89	National Aniline & Chemical Co.	21	Textile Finishing Machinery Co.	11
Bosson & Lane	107	Greenville Textile Supply Co.	104	National Gum & Mica Co....	104	Textile Mill Supply Co.....	—
Brown Co., David	85	Gude & Co.	85	National Lamp Works.....	8	Textile Specialty Co.....	101
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Carolina Junk & Hide Co....	85	Hirsch Lumber Co.	—	N. Y. & N. J. Lubricant Co..	97	Tripod Paint Co.	—
Campbell, John, & Co.....	2	Hitchcock Co., F. C.....	106	Norwood Engineering Co....	103	Turner Co., J. Spencer.....	108
Carolina Size & Chemical Co.	100	Hopedale Mfg. Co.	14	-P-		Turner Construction Co.....	93
Carolina States Electric Co...	35	Hotchkiss & Co.	103	Palmer Forced Draft Burner Co.	—	Tuxbury Lumber Co., A. C....	60
Carolina Supply Co.....	12	Hunter Mfg. & Commission Co.	54	Parks-Cramer Co.	42	-U-	
Carrier Engineering Corp....	—	Huntington & Guerry	105	Pawtucket Spinning Ring Co.	101	United Chemical Products Corp.	70
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Charlotte Leather Belting Co.	84	International Cotton Products Co.	46	Portable Machinery Co.....	116	Veeder Mfg. Co.	100
Charlotte Motor Co.....	96	Ivey Mfg. Co.	85	Proctor & Schwartz	—	Vogel Co., Jos. A.....	73
Charlotte Supply Co.....	34	-J-		Puro Sanitary Drinking Fountain Co.	85	-W-	
Chattanooga Sewer Pipe Works	—	Johnston Paint Co.	39-72	Reeves, Jennings & Co.....	108	Wadsworth, Howland & Co...	6
Chicago Fuse Mfg. Co.....	66	Jones Machinery Co.	2	Rice Dobby Chain Co.....	98	Walker-Tompkins Co.	10
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Collins Bros. Machine Co....	36	Kaustine Co.	116	Rogers Fibre Co.....	47	Warwick Co., A. J.	—
Conner & Walters Co.....	—	Keever Starch Co.	—	Roy & Sons Co., B. S.....	88	Watts, Stebbins & Co.....	—
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Corn Products Refining Co...	87	Klipstein & Co., A.....	—	-S-		Westinghouse Lamp Co.....	16
Cotton States Belting & Supply Co.	90	-L-		Saco-Lowell Shops	93	Wheeler Condenser & Engineering Co.	90
Courtney Co., Dana S.....	37	Ladew Co., Edw. R.....	18	Safety First Mfg. Co.....	64	Whitin Machine Works.....	115
Curtis & Marble Machine Co..	62	Laurence Everhart	116	Sargents Sons Corp., C. G....	116	Whitinsville Spinning Ring Co.	32-100
-D-		Lawrence & Co.	31	Scaife & Sons Co., Wm. B....	116	Whitman & Son, Clarence....	108
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DeLaval Steam Turbine Co...	90	Lockwood, Greene & Co.....	65	Seydel Mfg. Co.	100	Wolf & Co., Jacques	107
Detroit Graphite Co.....	23	Lombard Iron Works	103	Shambow Shuttle Co.	71	Woods Sons Co., T. B.....	52
Dixie Paper & Box Co.....	103	Lovingood Co.	62	Sherwin-Williams Co.	7	-Y-	
Dixie Seal & Stamp Co.....	103	Lupton, David, Sons, Inc....	—	Simplex Roll Calendering Machine Co.	33	Yadkin Brick Yards	107
Dixie Spindle & Flyer Co....	105	Lyster Chemical Co.....	104	Sirrine, J. E.	—		
Dixon Lubricating Saddle Co.	103	-M-		S. K. F. Industries.....	—		
		Macrodi Fibre Co.....	104	Slaughter G. G. Co.....	—		

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Combing Machines	

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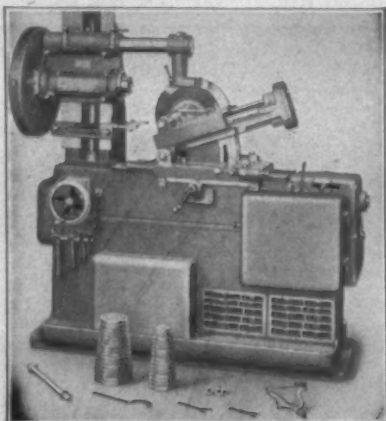
Practically all of the space for the Fourth Southern Textile Exposition at Greenville, South Carolina, October 18th to 23rd, has been sold.

Greenville will accommodate visitors comfortably in private homes when the hotels overflow, if applications are made in advance to the Housing Committee.

Greenville Association of Commerce has arranged informal entertainments complimentary to members of Southern Textile Association and the exhibitors.

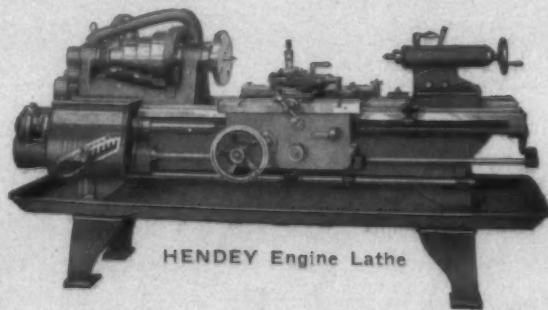
You are cordially invited to be present.

*Southern Textile Exposition Inc.,
Greenville, S. C.*

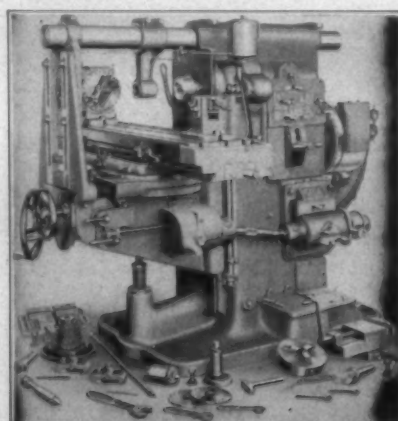


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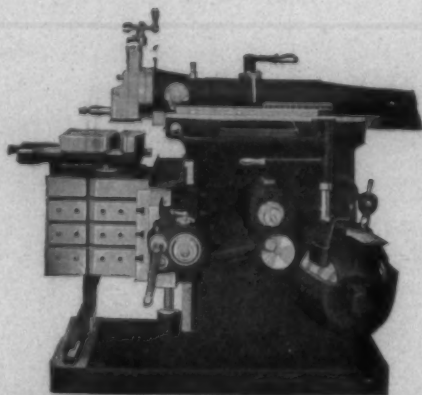
See these machines in
OPERATION
at Textile Exposition



HENDEY Engine Lathe



BROWN & SHARPE
Universal Milling Machine



HENDEY Crank Shaper

At the Textile Exposition to be held in Greenville, S. C., October 18th to 23rd, we will have in actual operation the four machines shown on this page. This announcement should be of special interest to every Executive, Superintendent and Master Mechanic of the Southern Textile Mills, and we extend a most cordial invitation for you to visit our exhibit at the Exposition. We will be located in booths 51-52-53-62-63 and 64 on the first floor of Textile Hall. Our exhibit will be in charge of Messrs. J. C. Walraven, J. M. Fraser, L. A. Quinn, J. D. McCord and A. E. Mandeville. These Gentlemen will take pleasure in demonstrating the machines for you or giving any information you might desire.

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Our Looms Produce the Highest Quality of Fabrics at Lowest Cost

We make automatic looms for all manner of textile fabrics. Plain or fancy, coarse or fine.

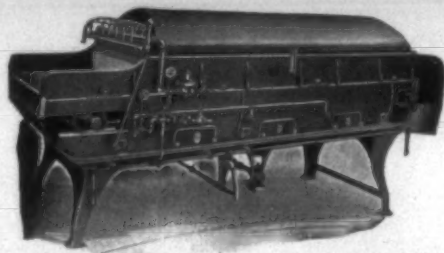


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"The place we are treated the best and grumble the most." Good treatment comes from those closely related to us. We grumble at the little vexities of life but most of the dissatisfaction comes from the lack of the conveniences of modern home equipment. A trip to the back yard—the location of the privy—in a great many rural settlements—always a disagreeable trip—in the summer the annoying clusters of flies first in the outdoor privy—then on baby's rattle—or on the food. Food we must take into our stomachs and with it all the filth that has been collected by the fly in its usual haunt—the outdoor privy—and deposited on the food. Babies cannot use precaution—child mortality—from fecal-born disease—is astounding—

All this traced to the inconvenience—insanitary—health menacing outdoor privy is certainly one of the causes of grumbling—whether we realize it or not—it is an unreckoned-with factor.

Modern indoor toilets do not necessarily require running water—nor long sewer lines. Sanitary science and invention has enabled Kaustine System Toilets to be installed in many places where water was not available.

Today when Homes should in reality be real Homes—Kaustine Systems can help materially—yet at moderate cost—make them Real.

Catalogue H—a practical treatise on modern sanitation—both with and without running water—is available on request.

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